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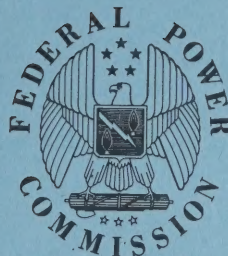


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HYDROELECTRIC POWER RESOURCES OF THE UNITED STATES

DEVELOPED AND UNDEVELOPED

1960



FEDERAL POWER COMMISSION

WASHINGTON

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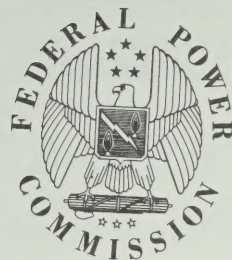
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FEDERAL POWER COMMISSION

WASHINGTON

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PREFACE

This edition is a revision of earlier editions published in 1953 and 1957. It brings up-to-date as of January 1, 1960 the data compiled by the Federal Power Commission on developed and undeveloped hydroelectric power of the United States. In the three years since publication of the last edition, many changes have occurred in both installed hydroelectric power and estimated undeveloped power.

Many new hydroelectric plants have been built and numerous existing installations have been enlarged. At the same time some existing plants have been abandoned and dismantled. The net result of these changes has been an aggregate increase since 1957 of about 5.4 million kilowatts of installed hydroelectric generating capacity, with a corresponding increase of 34 billion kilowatt-hours of electric energy production annually.

New surveys and resurveys of river basins have been undertaken by various parties to determine hydroelectric power potentialities, and more detailed studies and investigations of many undeveloped power sites have been made during the period. As a result, additional potential undeveloped power sites have been located and some previously located potential sites have been found to have greater potentialities than previously estimated. Some sites previously considered as possible developments have been discarded as lacking both engineering and economic feasibility. Other sites which were undeveloped three years ago have been developed in the intervening period. The net effect of these additions and subtractions has been to raise the estimates of undeveloped hydroelectric power by 4.7 million kilowatts since 1957.

The surveys and investigations of hydroelectric power resources have been carried on by federal and non-federal public agencies and private interests. Important among these was the Corps of Engineers' review of its 1948 survey report on the Columbia River and tributaries, published as House Document 531, 81st Congress, 2nd Session. Other studies have been made of individual potential sites by both the Corps of Engineers and the Bureau of Reclamation. Non-federal interests have studied prospective developments with a view to applying for federal licenses. The Commission's staff has reviewed the undeveloped power data contained in the earlier compilation and has made necessary revisions in accord with the latest information available.

The formats of the tables are generally the same as those used in the last edition. The installed capacities of existing plants are the total installed capacities, including both main and auxiliary units. The table of plants under Federal Power Commission license in the 1957 edition has been revised to include in addition to developed projects those under construction and others not yet started. The plants are now arranged by license project number rather than by states. Maps showing the location of both federal and licensed plants have also been added.

Data shown in the principal tables are for the United States excluding Alaska and Hawaii. Although Alaska and Hawaii have become states since the 1957 edition, statistics and estimates have not yet been incorporated into the national totals. Available information on the hydroelectric power potentials of these two states is presented in a supplement at the end of this publication.

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HYDROELECTRIC POWER RESOURCES OF THE UNITED STATES

DEVELOPED AND UNDEVELOPED

1960

INTRODUCTION

The studies of the Federal Power Commission with respect to the hydroelectric power resources of the United States have been made under provisions of Section 4(a) of the Federal Power Act, which authorizes the Commission "to make investigations and to collect and record data concerning the utilization of the water resources of any region to be developed . . . "

This publication presents compilations and summaries of data as of January 1, 1960, on the water resources of the United States as related to the development of hydroelectric power. The compilations bring together available data on developed and undeveloped power in individual listings of existing hydroelectric plants and undeveloped power sites. The listings are grouped and arranged by major drainages and river basins and by geographic divisions and states. The data on both categories or power are summarized by the above groupings in tables showing the totals of the individual plant and site data. The groupings used herein are described below and are delineated on charts 1 and 2, page 4.

DESCRIPTION OF BOUNDARIES

Major Drainages

The river basins of the United States are grouped into 14 major drainages. Each covers an area with boundaries coinciding with natural drainage features. The boundaries of these major drainages conform to the boundaries of the areas adopted by the United States Geological Survey as a basis for its annual publication of stream-flow measurements, with some adjustments in the grouping of the river basins.

These major drainages and the river systems which they comprise are: *North Atlantic* - river systems draining into the Atlantic Ocean starting with the St. John River, Maine, and extending to and including the York River, Virginia; *South Atlantic* - the remaining river systems draining into the Atlantic Ocean starting with the James River, Virginia; *Eastern Gulf* - river systems draining into the Gulf of Mexico east of the Mississippi River; *Western Gulf* - river systems draining into the Gulf of Mexico west of the Mississippi River; *Lower Mississippi River* - Mississippi River and tributaries from its mouth to the Missouri River, excluding the Ohio River Basin; *Upper Mississippi River* - Mississippi River and tributaries above the Missouri River and extending to the headwaters of the Mississippi River; *Ohio River* - the Ohio River and

its tributaries; *Missouri River* - the Missouri River and its tributaries; *Great Lakes-St. Lawrence* - all river systems in the United States draining into the Great Lakes or the St. Lawrence River; *Hudson Bay* - the United States portion of river systems draining into Hudson Bay; *Colorado River* - the Colorado River and its tributaries; *Great Basin* - all rivers within the Great Basin; *North Pacific* - river systems draining into the Pacific Ocean along the Washington-Oregon coastline; and *South Pacific* - river systems draining into the Pacific Ocean along the California coastline. The major drainages are outlined on chart 1, page 4.

Geographic Divisions

The states are grouped into nine geographic divisions in conformance with the grouping used by the Bureau of the Census in presenting census statistics. These geographic divisions and the states which they comprise are: *New England* - Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut; *Middle Atlantic* - New York, New Jersey, Pennsylvania; *East North Central* - Ohio, Indiana, Illinois, Michigan, Wisconsin; *West North Central* - Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas; *South Atlantic* - Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida; *East South Central* - Kentucky, Tennessee, Alabama, Mississippi; *West South Central* - Arkansas, Louisiana, Oklahoma, Texas; *Mountain* - Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada; and *Pacific* - Washington, Oregon, California. The geographic divisions are outlined on chart 2, page 4.

SUMMARY

The total potential hydroelectric power of the United States is estimated to be about 127.2 million kilowatts capable of producing on the average approximately 528 billion kilowatt-hours a year. About 31.9 million kilowatts, or 25 percent of the total hydroelectric power resources, are now developed, producing an annual average of about 166.4 billion kilowatt-hours. The potential hydroelectric power available for possible future development is estimated to be about 95.3 million kilowatts with a corresponding average annual generation of about 361.7 billion kilowatt-hours. Of the undeveloped potential nearly 12 million kilowatts were under construction at the beginning of 1960. These totals are subject to revision as additional information is obtained, based on new and more detailed investigations. Further, it cannot now be foreseen what part of the undeveloped potential will be found economical or practicable of development. However, the estimate serves to indicate, from a long-range view, the over-all hydroelectric power potentialities of the United States.

The following statistical summary tables A and B present pertinent data from other tabulations in this report. These tables permit a comparison of data by either major drainages or geographic divisions, and show the information grouped according to developed, undeveloped, and total potential.

THE UNITED STATES

DEVELOPING AND UNDEVELOPED COUNTRIES

1960-1965



POPULATION DENSITY BY COUNTY, 1960-1965

Legend:

- 0-100 persons per square mile
- 100-200 persons per square mile
- 200-300 persons per square mile
- 300-400 persons per square mile
- 400-500 persons per square mile
- 500-600 persons per square mile
- 600-700 persons per square mile
- 700-800 persons per square mile
- 800-900 persons per square mile
- 900-1000 persons per square mile



DEVELOPED AND UNDEVELOPED HYDROELECTRIC POWER BY MAJOR DRAINAGES

JANUARY 1, 1960

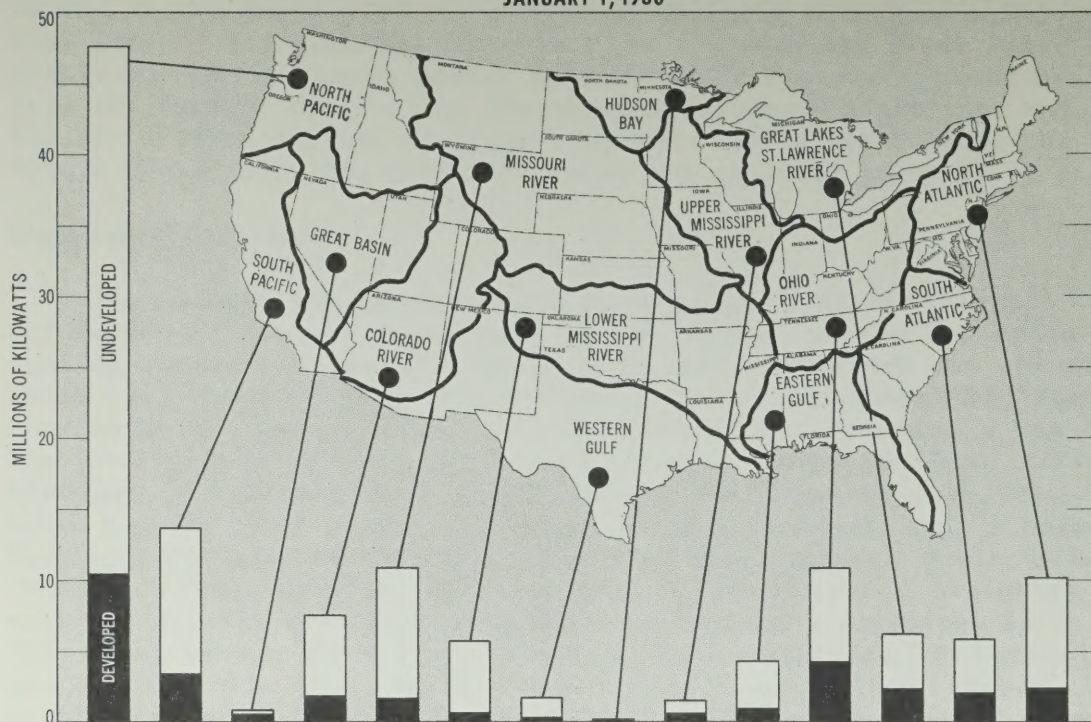


Chart 1

DEVELOPED AND UNDEVELOPED HYDROELECTRIC POWER BY GEOGRAPHIC DIVISION

JANUARY 1, 1960

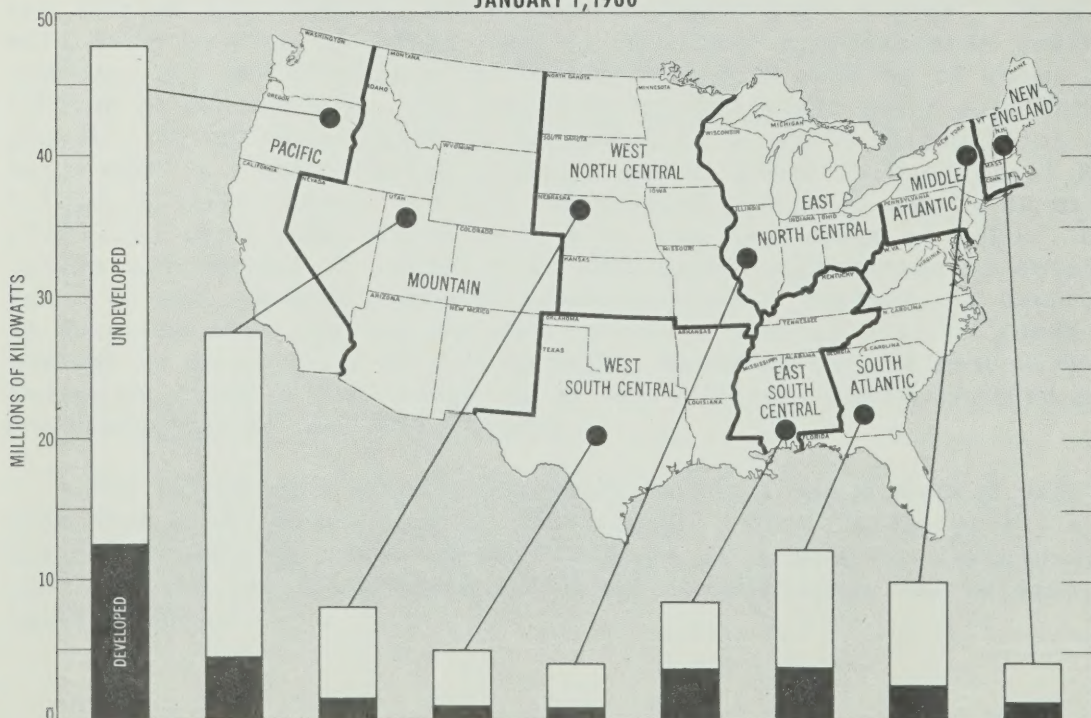


Chart 2

OF THE UNITED STATES ^{1/}

	LOWER MISSISSIPPI RIVER	WESTERN GULF	COLORADO RIVER	GREAT BASIN	NORTH PACIFIC	SOUTH PACIFIC
83	21	26	41	84	156	114
486	757,870	345,310	1,819,470	490,071	10,521,628	3,406,117
5	2	1	6	2	33	11
8	10	13	7	12	1	3
,600	2,616,600	1,094,600	8,536,280	1,843,280	68,461,300	18,346,270
5	0	1	1	1	10	1
,700	0	200	358	840	49,075	1,600
22	8	3	7	3	23	5
,550	576,100	85,800	1,631,000	10,650	6,098,810	631,500
16	4	1	8	28	54	62
,438	168,200	22,500	24,650	104,765	3,613,865	2,220,997
all	Bull Shoals	Marshall Ford	Hoover	Francisquito I	Grand Coulee	Shasta
,000	162,000	67,500	1,249,800	58,875	1,974,000	379,000
2/	White	Colorado (Texas)	Colorado 2/	Owens	Columbia	Sacramento
12	6	6	6	19	117	43
,800	350,940	202,250	1,612,400	267,055	9,095,284	1,884,887
atte	Red	Rio Grande	Gila	Great Salt Lake	Skagit	San Joaquin
31	5	7	9	38	7	35
,902	228,500	71,180	87,890	182,436	755,275	1,015,590
189	101	64	88	31	582	193
800	4,939,900	1,480,200	5,889,500	275,700	37,129,700	10,298,600
10	5	1	6	0	39	11
3	7	11	6	13	1	2
800	14,622,200	2,795,300	27,921,900	1,435,700	147,213,600	40,532,400
2/	Mississippi 2/	Brazos	Colorado 2/	Great Salt Lake	Columbia	Sacramento
21	2	9	10	9	384	90
900	1,476,000	627,500	4,221,000	114,600	33,187,600	6,655,400
tone	White	Rio Grande	Green	Owens	Skagit	San Joaquin
34	19	29	19	11	22	33
500	1,416,000	459,200	783,100	57,400	862,200	1,283,000
000	657,000	52,000	1,116,500	0	4,319,400	685,300
286	5,697,770	1,825,510	7,708,970	765,771	47,651,328	13,704,717
8	4	1	6	6	37	10
3	9	11	6	13	1	2
400	17,238,000	3,889,900	36,458,180	3,278,980	215,674,900	58,878,670
16	13	19	24	64	22	25

DEVELOPED AND UNDEVELOPED HYDROELECTRIC POWER BY MAJOR DRAINAGES

JANUARY 1, 1960

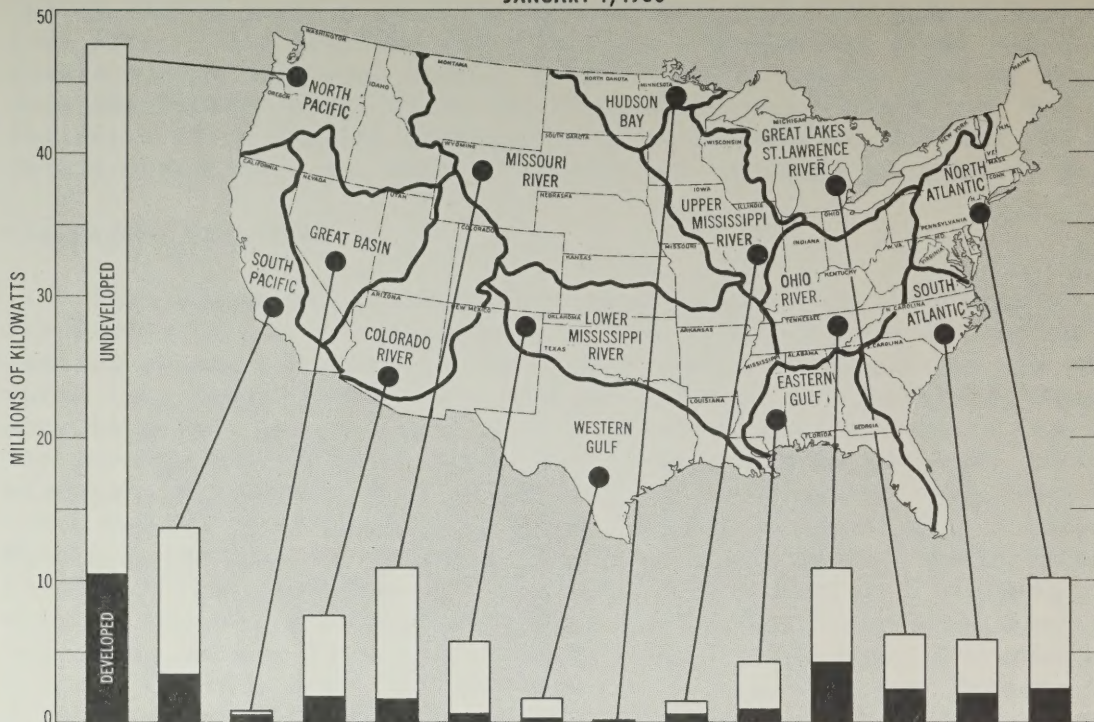


Chart 1

DEVELOPED AND UNDEVELOPED HYDROELECTRIC POWER BY GEOGRAPHIC DIVISION

JANUARY 1, 1960

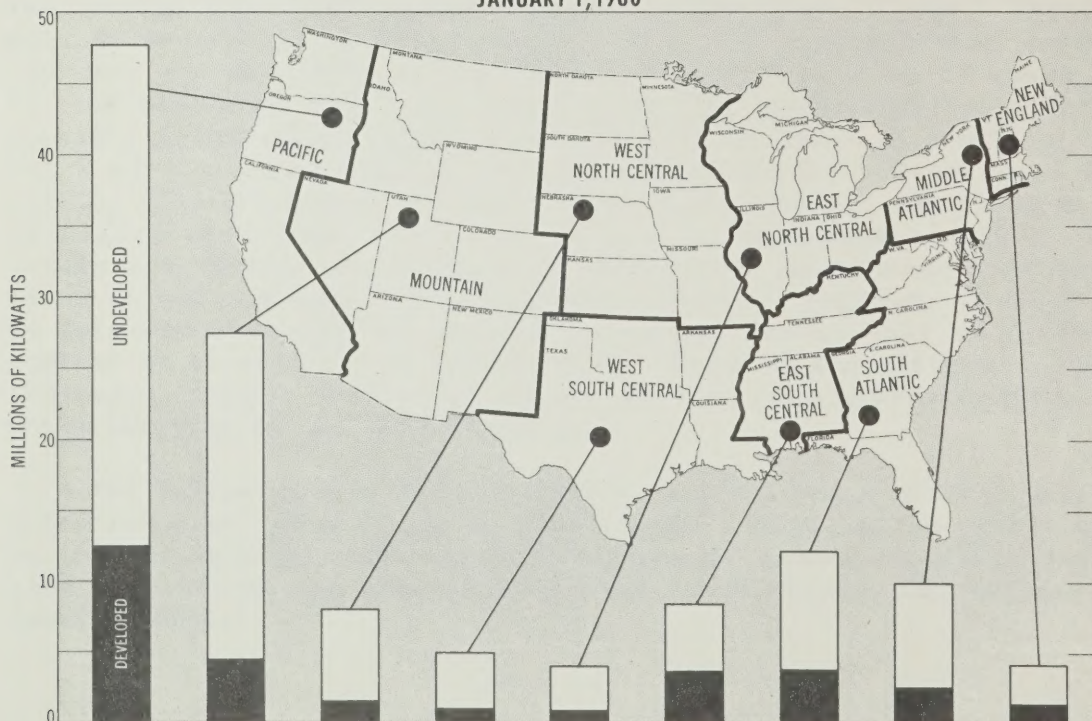


Chart 2

SUMMARY TABLE A - HYDROELECTRIC POWER RESOURCES OF THE UNITED STATES ^{1/} BY MAJOR DRAINAGES

As of January 1, 1960

		UNITED STATES ^{1/}	NORTH ATLANTIC	SOUTH ATLANTIC	EASTERN GULF	OHIO RIVER	GREAT LAKES- ST. LAWRENCE	HUDSON BAY	UPPER MISSISSIPPI RIVER	MISSOURI RIVER	LOWER MISSISSIPPI RIVER	WESTERN GULF	COLORADO RIVER	GREAT BASIN	NORTH PACIFIC	SOUTH PACIFIC
DEVELOPED																
Number of plants	no.	1 685	387	141	31	84	352	11	154	83	21	26	41	84	156	114
TOTAL INSTALLED CAPACITY	kw	31,912,843	2,563,837	2,051,741	917,326	4,363,657	2,287,442	16,306	623,582	1,748,486	757,870	345,310	1,819,470	490,071	10,521,628	3,406,117
Percent of U. S. total	%	100	8	6	3	14	7	0	2	5	2	1	6	2	33	11
U. S. rank in amount of capacity	no.		4	6	9	2	5	14	11	8	10	13	7	12	1	3
AVERAGE ANNUAL GENERATION	1000 kwh	166,362,500	10,631,130	6,148,310	3,882,700	19,531,400	13,416,880	76,400	3,131,750	8,705,600	2,616,600	1,094,600	8,536,280	1,843,280	68,461,300	18,346,270
Number of industrial plants	no.	345	167	47	5	8	73	1	25	5	0	1	1	1	10	1
Total industrial capacity	kw	729,412	295,961	65,078	14,545	113,380	114,583	5,600	59,492	8,700	0	200	358	840	49,075	1,600
Number of federal plants	no.	114	1	3	3	34	1	0	1	22	8	3	7	3	23	5
Total federal capacity	kw	14,200,620	3,000	502,000	190,000	3,331,058	18,400	0	2,752	1,119,550	576,100	85,800	1,631,000	10,650	6,098,810	631,500
Number of licensed plants	no.	307	27	26	11	14	23	2	31	16	4	1	8	28	54	62
Total licensed capacity developed	kw	11,862,316	1,272,016	1,124,915	604,900	665,870	1,260,770	4,600	211,830	562,438	168,200	22,500	24,650	104,765	3,613,865	2,220,997
Largest plant	name	Grand Coulee	Conowingo	Clark Hill	Martin Dam	Wilson	Robert Moses	Intl. Falls	Keokuk	Fort Randall	Bull Shoals	Marshall Ford	Hoover	Francisquito I	Grand Coulee	Shasta
Installed capacity	kw	1,974,000	254,240	282,000	154,200	436,750	912,000	5,600	124,800	320,000	162,000	67,500	1,249,800	58,875	1,974,000	379,000
River basin with largest total capacity	name		Connecticut	Santee	Mobile-Alabama	Tennessee	Niagara	Rainy	Mississippi ^{2/}	Missouri ^{2/}	White	Colorado (Texas)	Colorado ^{2/}	Owens	Columbia	Sacramento
Number of plants	no.		92	55	9	50	3	3	18	12	6	6	6	19	117	43
Installed capacity	kw		651,939	857,123	572,325	3,255,458	174,187	10,200	204,078	1,043,800	350,940	202,250	1,612,400	267,055	9,095,284	1,884,887
River basin with second largest total capacity	name		Susquehanna	Savannah	Apalachicola	Cumberland	Raquette	Red	Chippewa	Platte	Red	Rio Grande	Gila	Great Salt Lake	Skagit	San Joaquin
Number of plants	no.		11	17	17	6	18	8	22	31	5	7	9	38	7	35
Installed capacity	kw		624,970	483,070	323,898	617,460	165,175	6,106	162,812	452,902	228,500	71,180	87,890	182,436	755,275	1,015,590
UNDEVELOPED																
Number of sites	no.	2,064	234	106	68	102	192	9	105	189	101	64	88	31	582	193
TOTAL INSTALLED CAPACITY	kw	95,301,000	7,506,600	3,940,700	3,339,000	6,520,300	3,877,800	17,800	847,400	9,237,800	4,939,900	1,480,200	5,889,500	275,700	37,129,700	10,298,600
Percent of U. S. total	%	100	8	4	4	7	4	0	1	10	5	1	6	0	39	11
U. S. rank in amount of capacity	no.		4	8	10	5	9	14	12	3	7	11	6	13	1	2
AVERAGE ANNUAL GENERATION	1000 kwh	361,682,500	20,617,100	9,616,700	9,774,500	23,432,700	18,126,900	81,700	3,478,000	42,033,800	14,622,200	2,795,300	27,921,900	1,435,700	147,213,600	40,532,400
River basin with largest total capacity	name		Susquehanna	Savannah	Mobile-Alabama	Ohio ^{2/}	Niagara	Rainy	Chippewa	Missouri ^{2/}	Mississippi ^{2/}	Brazos	Colorado ^{2/}	Great Salt Lake	Columbia	Sacramento
Number of plants	no.		18	12	42	15	1	9	20	21	2	9	10	9	384	90
Installed capacity	kw		2,281,100	975,000	2,551,200	1,645,000	2,190,000	17,800	191,500	4,522,900	1,476,000	627,500	4,221,000	114,600	33,187,600	6,655,400
River basin with second largest total capacity	name		Delaware	Santee	Apalachicola	Kanawha	Raquette	-	Mississippi ^{2/}	Yellowstone	White	Rio Grande	Green	Owens	Skagit	San Joaquin
Number of plants	no.		21	22	19	15	6	-	15	34	19	29	19	11	22	33
Installed capacity	kw		999,900	898,900	662,200	1,252,000	183,500	-	128,200	2,777,500	1,416,000	459,200	783,100	57,400	862,200	1,283,000
Capacity under construction	kw	11,793,700	0	588,500	432,800	401,200	2,190,000	0	0	1,351,000	657,000	52,000	1,116,500	0	4,319,400	685,300
TOTAL POTENTIAL																
TOTAL INSTALLED CAPACITY	kw	127,213,843	10,070,437	5,992,441	4,256,326	10,883,957	6,165,242	34,106	1,470,982	10,986,286	5,697,770	1,825,510	7,708,970	765,771	47,651,328	13,704,717
Percent of U. S. total	%	100	8	4	3	8	4	0	1	8	4	1	6	6	37	10
U. S. rank in amount of capacity	no.		5	8	10	4	7	14	12	3	9	11	6	13	1	2
AVERAGE ANNUAL GENERATION	1000 kwh	528,045,000	31,248,230	15,765,010	13,597,200	42,964,100	31,543,780	158,100	6,609,750	50,739,400	17,238,000	3,889,900	36,458,180	3,278,980	215,674,900	58,878,670
Percent of total potential capacity developed	%	25	25	34	22	40	37	48	42	16	13	19	24	64	22	25

^{1/} Excludes Alaska and Hawaii. See supplement at end of report.

^{2/} Main stream.

SUMMARY TABLE B - HYDROELECTRIC POWER RESOURCES OF THE UNITED STATES ^{1/}

BY GEOGRAPHIC DIVISIONS

As of January 1, 1960

		UNITED STATES ^{1/}	NEW ENGLAND	MIDDLE ATLANTIC	EAST NORTH CENTRAL	WEST NORTH CENTRAL	SOUTH ATLANTIC	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC
States included within each drainage			Me., N.H., Vt., Mass., R.I., Conn.	N.Y., N.J., Pa.	Ohio, Ind., Ill., Mich., Wisc.	Minn., Ia., Mo., N.Dak., S.Dak., Nebr., Kans.	Del., Md., D.C., Va., W.Va., N.C., S.C., Ga., Fla.	Ky., Tenn., Ala., Miss.	Ark., La., Okla., Tex.	Mont., Ida., Wyo., Colo., N.Mex., Ariz., Utah, Nev.	Wash., Oreg., Calif.
DEVELOPED											
Number of plants	no.	1,685	332	205	294	116	219	44	37	189	249
TOTAL INSTALLED CAPACITY	kw	31,912,843	1,522,697	2,478,089	936,740	1,448,267	3,800,104	3,755,508	948,620	4,520,988	12,501,830
Percent of U. S. total	%	100	5	8	3	4	12	12	3	14	39
U. S. rank in amount of capacity	no.		6	5	9	7	3	4	8	2	1
AVERAGE ANNUAL GENERATION	1000 kwh	166,362,500	5,875,930	14,162,280	4,148,600	6,692,050	13,228,310	17,524,800	3,110,800	23,381,060	78,238,670
Number of industrial plants	no.	345	145	54	59	14	57	1	1	4	10
Total industrial capacity	kw	729,412	263,164	83,310	95,769	44,143	182,803	8,000	200	1,598	50,425
Number of federal plants	no.	114	0	0	2	5	12	29	9	35	22
Total federal capacity	kw	14,200,620	0	0	21,152	762,700	1,059,700	2,966,358	536,100	2,494,560	6,360,050
Number of licensed plants	no.	307	19	17	38	17	43	8	4	58	103
Total licensed capacity, developed	kw	11,862,316	583,576	1,651,270	230,840	378,128	1,959,565	661,560	174,700	1,613,735	4,608,942
Largest plant	name	Grand Coulee	S. C. Moore	Robert Moses	Carbide	Fort Randall	Clark Hill	Wilson	Bull Shoals	Hoover	Grand Coulee
Installed capacity	kw	1,974,000	140,400	912,000	42,240	320,000	282,000	436,750	162,000	1,249,800	1,974,000
State with largest total capacity	name	Washington	Maine	New York	Wisconsin	South Dakota	North Carolina	Tennessee	Texas	Idaho	Washington
Number of plants	no.	52	93	184	140	10	74	26	25	42	52
Installed capacity	kw	6,272,626	499,656	2,033,032	426,292	333,046	1,223,662	1,912,788	391,880	1,250,715	6,272,626
State with second largest total capacity	name	California	New Hampshire	Pennsylvania	Michigan	Missouri	South Carolina	Alabama	Arkansas	Montana	California
Number of plants	no.	140	61	13	122	5	42	13	8	20	140
Installed capacity	kw	3,802,072	446,396	436,179	424,739	298,300	968,449	1,300,340	390,740	1,150,950	3,802,072
UNDEVELOPED											
Number of sites ^{2/}	no.	2,064	172	156	163 (16)	165 (5)	189 (9)	81 (8)	113	419 (4)	629 (4)
TOTAL INSTALLED CAPACITY	kw	95,301,000	2,857,900	7,465,400	3,047,600	6,542,600	8,388,000	4,612,500	3,887,100	23,243,300	35,256,600
Percent of U. S. total	%	100	3	8	3	7	9	5	4	24	37
U. S. rank in amount of capacity	no.		9	4	8	5	3	6	7	2	1
AVERAGE ANNUAL GENERATION	1000 kwh	361,682,500	9,361,700	25,614,800	12,589,700	25,694,800	24,060,300	14,078,400	9,705,500	95,491,200	145,086,100
State with largest total capacity	name	Washington	Maine	New York	Illinois	Missouri	Georgia	Alabama	Arkansas	Idaho	Washington
Number of sites	no.	235	59	117	26	30	61	36	35	138	235
Installed capacity	kw	19,133,600	1,407,100	3,935,400	1,211,800	2,837,800	2,215,400	2,144,800	1,562,400	8,957,000	19,133,600
State with second largest total capacity	name	California	New Hampshire	Pennsylvania	Indiana	South Dakota	West Virginia	Kentucky	Texas	Montana	California
Number of sites	no.	211	36	41	18	9	34	24	61	78	211
Installed capacity	kw	10,299,500	594,500	3,305,000	755,000	1,721,500	2,161,000	1,724,500	1,485,800	6,222,300	10,299,500
Capacity under construction	kw	11,793,700	0	2,190,000	0	1,323,000	718,500	704,000	609,000	1,518,500	4,730,700
TOTAL POTENTIAL											
TOTAL INSTALLED CAPACITY	kw	127,213,843	4,380,597	9,943,489	3,984,340	7,990,867	12,188,104	8,368,008	4,835,720	27,764,288	47,758,430
Percent of U. S. total	%	100	3	8	3	6	10	7	4	22	37
U. S. rank in amount of capacity	no.		8	4	9	6	3	5	7	2	1
AVERAGE ANNUAL GENERATION	1000 kwh	528,045,000	15,237,630	39,777,080	16,738,300	32,386,850	37,288,610	31,603,200	112,816,300	118,872,260	223,324,770
Percent of total potential capacity developed	%	25	35	25	23	18	31	45	24	16	26

^{1/} Excludes Alaska and Hawaii. See supplement at end of report.

^{2/} Numbers in parentheses represent sites split between states of different geographic divisions.

DEVELOPED HYDROELECTRIC POWER

Data on the installed capacity and production of electric energy of existing hydroelectric plants in the United States are furnished in reports received by the Commission from privately-owned and publicly-owned electric utilities and from industrial establishments. The publicly-owned utility group includes municipal electric utilities, cooperatives, power districts, state power authorities, and federal agencies. The data in the following tables of developed power cover 1685 generating plants of 100 kilowatts or more installed capacity, comprising 1340 plants of the privately-owned and publicly-owned utilities and 345 plants of industrial establishments.

As of January 1, 1960, the aggregate installed capacity of hydroelectric plants was 31,912,843 kilowatts. The estimated average annual generation on the basis of this installed capacity was 166.4 billion kilowatt-hours. The aggregate installed capacity of the electric utility plants was 31,183,431 kilowatts with a corresponding estimated average annual generation of 163 billion kilowatt-hours. The electric power plants of industrial establishments had an aggregate installed capacity of 729,412 kilowatts, with a corresponding estimated average annual generation of 3.4 billion kilowatt-hours.

Tables of Developed Power

Table 1 (see pages 24 and 25) summarizes by major drainages and river basins the developed hydroelectric power in the United States, showing for each major drainage and river basin the aggregate installed capacity and average annual generation of plants listed in table 2.

Table 2 (see pages 26 to 58) lists individually by river basins, within major drainages, all existing hydroelectric plants in the United States having a reported nameplate capacity of 100 kilowatts or more. For each river basin the plants are arranged according to their physical location in the river system, starting with the plant farthest downstream and continuing upstream, with plants on each tributary stream being listed in order of location as each tributary is reached.

Table 3 (see page 59) summarizes by geographic divisions and states the developed hydroelectric power in the United States, showing for each geographic division and state the aggregate installed capacity and average annual generation of plants listed in table 4.

Table 4 (see pages 60 to 92) shows the same data on individual plants as contained in table 2 but arranged by states within geographic divisions. Within each state the plants are listed in the same river basin order as in table 2 starting with the plant farthest downstream and continuing upstream.

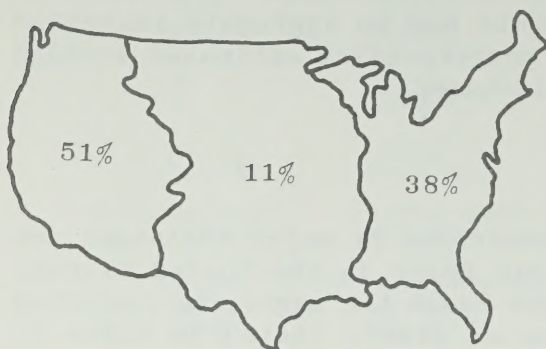
Both tables 2 and 4 show for each plant the class of ownership, name of owner, name of plant, river and state location, installed capacity, estimated average annual generation, and gross head. This information was obtained from reports submitted to the Federal Power Commission.

The capacities in tables 1 through 4 are the total installed generating capacities, including any auxiliary units. In tables 2 and 4 capacity figures which include auxiliary units are designated by an asterisk (*). All plants having auxiliary units are also listed on table 6 (see page 94) which shows main generating, auxiliary, and total capacity. In that table the plants are alphabetically arranged within each state according to the names of the owners. Plants under Federal Power Commission license are indicated by the symbol (†).

Table 5 summarizes for geographic divisions and states the total capacity and average annual generation separately for utility and industrial plants. (See page 93.)

Distribution by Major Drainages and River Basins

Fifty-one percent of the country's developed hydroelectric power is in the river basins west of the Continental Divide. These basins are in the North Pacific, South Pacific, Colorado River, and Great Basin



Distribution of developed hydroelectric capacity

drainages. The aggregate installed capacity in this area is 16,237,286 kilowatts at 395 plants, with a corresponding average annual generation of 97.2 billion kilowatt-hours. The eastern third of the country which includes the Great Lakes-St. Lawrence and Atlantic drainages plus the Ohio River and Eastern Gulf drainages has 38 percent of the total. The remaining 11 percent is in the central portion of the country which includes the Hudson Bay and Western Gulf drainages and all of the Mississippi River drainages except for the Ohio River Basin.

As shown in summary table A, the North Pacific drainage, which includes the Columbia River basin, has the largest aggregate installed capacity of all major drainages, representing about 33 percent of the country's total developed power. The drainage's total installed capacity is 10,521,628 kilowatts of which only 49,075 kilowatts are at industrial plants. This total capacity represents an increase of over three million kilowatts during the last three years, the greatest of any drainage. Eighty-six percent of the developed capacity of the North Pacific drainage is in the Columbia River basin. Here 117 plants have a total installation of 9,095,284 kilowatts, which is the largest total installed capacity of any single system in the country.

The Mississippi River basin contains four major drainages - Ohio River, Missouri River, Upper Mississippi River, and Lower Mississippi River - and has the second largest total developed capacity in the country as a single river system. Its 7,493,595 kilowatts of operating hydroelectric capacity represents about 23 percent of the nation's total.

In the North Atlantic and Great Lakes-St. Lawrence drainages there are 739 developed plants having an average size of about 6,600 kilowatts each. Thus these two drainages, containing 44 percent of the plants in the country, have only 15 percent of the developed capacity. In comparison the 156 plants in the North Pacific drainage average 68,000 kilowatts. This results in part from the fact that 240, or 70 percent, of the small industrially-owned plants are in the North Atlantic and Great Lakes-St. Lawrence drainages while only 10 industrial plants are in the North Pacific.

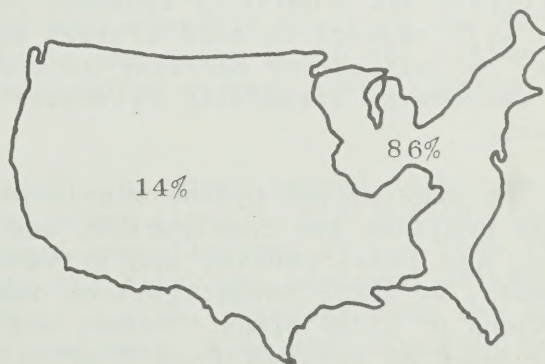
Distribution by Geographic Divisions and States

As shown in summary table B the Pacific division which comprises the States of Washington, Oregon, and California, has the largest aggregate existing hydroelectric power development of all nine geographic divisions, representing about 39 percent of the United States total. The developed power totals 12,501,830 kilowatts installed at 249 plants, with a corresponding average annual generation of 78.2 billion kilowatt-hours.

The combined development in the Pacific and Mountain divisions, totaling 17,022,818 kilowatts, represents about one-half of the country's total capacity at only about one-fourth of the total plants. In contrast to the western area, the 14 states bordering the Great Lakes and North Atlantic seaboard which make up the East North Central, New England, and Middle Atlantic divisions contain one-half of all the hydroelectric plants in the country but only 16 percent of the total capacity.

Washington, the nation's leading state in amount of developed hydroelectric power, has installations totaling 6,272,626 kilowatts. California and Oregon with 3,802,072 and 2,427,132 kilowatts respectively are next in order. Only two states, Mississippi and Louisiana, have no developed hydroelectric capacity.

As noted earlier in the discussion of major drainages, the distribution of industrially-owned capacity differs markedly from that of the total capacity. The three divisions along the Atlantic seaboard plus the East North Central division contain 86 percent of the total industrially-owned capacity. Thirty-six percent, or 263,163 kilowatts, is in the New England division. The state with the greatest amount of industrially-owned hydro capacity is Maine with 144,534 kilowatts.



Distribution of industrially-owned hydroelectric capacity

The greatest growth in hydroelectric generating capacity during the three years subsequent to January 1, 1957 has occurred in the Pacific division where 3.1 million kilowatts have been added. Of this increase about 2.1 million kilowatts occurred in the State of Washington. Second in growth is the Middle Atlantic division where the Robert Moses development on the St. Lawrence River alone added 912,000 kilowatts in the state of New York.

UNDEVELOPED HYDROELECTRIC POWER

The Commission assembles data and makes estimates concerning the undeveloped hydroelectric power resources of the principal river basins of the country. The Commission's comprehensive river basin surveys, made in connection with its licensing work and in cooperation with other federal agencies, and the information obtained from investigations made by other federal agencies and by other interests, public and private, provide the basis for undeveloped hydroelectric power presented in this report. The information obtained from these sources having varying degrees of assuredness is adjusted or amended as necessary based on review and analysis by the Commission staff. The Commission's estimates are based on the rated capacity of generators that normally would be installed at the power sites, assuming reasonable regulation of flow by storage. Allowance is made for depletions by irrigation and other consumptive use, and it is assumed that each site will be developed to achieve, in conjunction with the development of other sites, the best over-all development of the water resources of the river basin for power and other multiple uses. The estimates of generation represent average annual generation of energy at these hydroelectric developments. With only a few exceptions, projects with proposed installations of less than 1,500 kilowatts are not included in the undeveloped inventory.

The estimates of undeveloped water power include projects on which both engineering and economic feasibility have been demonstrated, as well as projects at sites where physical conditions indicate engineering feasibility and promise of economic feasibility at some time. The estimates with respect to both classes of projects are subject to revision either by increase or decrease as additional information becomes available concerning steamflow, reservoir sites, costs, and other pertinent factors.

The undeveloped hydroelectric power picture is constantly changing as new projects are constructed, and as continuing studies by federal, state, and local public, and private interests uncover new potential projects, or their investigations demonstrate the desirability of modifications of older plans. Hence, estimates of undeveloped hydroelectric power must be revised from time to time as new studies are made and additional information is obtained. Some of these potential projects may, upon detailed investigation, be found infeasible and impracticable of development from physical, or economic, or other standpoints. However the estimates taken in the aggregate serve to indicate, from a long-range view, the over-all water power potentialities of the United States and the water power resources available for possible future development.

The present estimate of undeveloped hydroelectric power in the United States is 95,301,000 kilowatts, with a corresponding average annual generation of about 361.7 billion kilowatt-hours. This estimate includes approximately 11.8 million kilowatts now under construction and scheduled for completion during the next few years.

Included in the estimate of undeveloped hydroelectric power is the United States' share of the power that could be developed at the potential Passamaquoddy Tidal Power Project in the Province of New Brunswick and the State of Maine. The installed capacity of the tidal power project alone, estimated to be 300,000 kilowatts, and the average annual generation, about 1.8 billion kilowatt-hours, would be divided equally between the United States and Canada.

There are many power sites already developed which have been studied with the view to possible redevelopment at some future time to provide for increased installation and generation. Such sites are included in the list of undeveloped power sites, designated by the letter "R", and the figures shown represent the resulting increments in capacity and generation which would result from redevelopment of the existing sites. The total power available at the site after redevelopment is the sum of the incremental power and the present power shown for the site in the table of existing power plants. In cases where a change in the head utilized at the site results from the redevelopment, the total head as redeveloped is shown in the undeveloped power listing.

In many cases it will be possible at some future time to install additional capacity at an existing plant, either as provided for in the original design or by modifying the plant. This additional capacity and corresponding incremental generation, designated by the letter "A", are included in the listing of undeveloped sites.

Tables of Undeveloped Power

Table 7 (see pages 95 and 96) summarizes by major drainages and river basins the estimated undeveloped hydroelectric power in the United States, showing for each major drainage and river basin the estimated aggregate installed capacity and corresponding average annual generation of sites listed in table 8.

Table 8 (see pages 97 to 137) lists, by river basins within major drainages, the individual undeveloped power sites in the United States having, except in a few cases, proposed installations of not less than 1500 kilowatts. For each river basin the sites are arranged according to their physical location in the river system, starting with the site farthest downstream and continuing upstream, with the sites on each tributary stream being listed in order of location as each tributary is reached.

Table 9 (see page 138) summarizes by geographic divisions and states the estimated undeveloped hydroelectric power in the United States, showing for each geographic division and state the estimated aggregate installed capacity and corresponding average annual generation

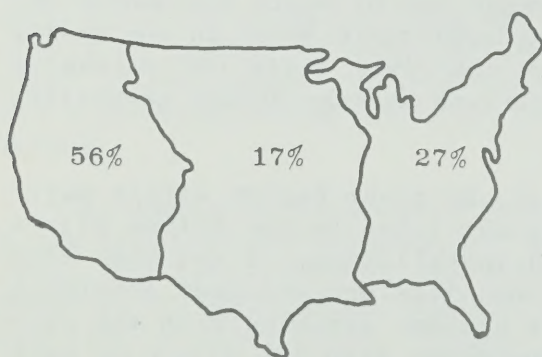
of sites listed in table 10.

Table 10 (see pages 139 to 178) shows the same data for individual sites as contained in table 8 but arranged by states within geographic divisions. Within each state the sites are listed in the same river basin order as in table 8 starting with the site farthest downstream and continuing upstream.

Both tables 8 and 10 show for each site the name of the site or project, river and state location, estimated installed capacity, estimated average annual generation, and gross head. The site names or designations are those given in the reports used as sources of information for the data. There are reaches of some rivers having potential power not yet developed where no specific sites have been selected. In these cases the aggregate undeveloped power between selected points on the river is shown in the list as a block of power between those points. Such blocks are designated by the letter "B". There are several reaches of the Missouri River which have been treated in this manner. Similar treatment has been given to blocks of undeveloped power on the Yellowstone River in Montana, the Tombigbee River in Alabama and Mississippi, and the Savannah River in South Carolina and Georgia.

Undeveloped power sites located in reaches of rivers which form the boundary between two states are credited to both states, with the installed capacity and average annual generation being divided equally between the adjoining states unless definite construction plans indicate otherwise. In the river basin listing of sites the total capacity and generation are shown, while in the state listing, the capacity and generation are apportioned accordingly to each of the adjoining states. In such cases the sites listed in the table are indicated by the letter "S". The total head at each site is shown in both state listings.

Distribution by Major Drainages and River Basins



Distribution of undeveloped hydroelectric capacity

Fifty-six percent of the country's undeveloped hydroelectric power is in the river basins west of the Continental Divide, comprising the North Pacific, South Pacific, Colorado River, and Great Basin drainages. The estimated aggregate installed capacity in this area is approximately 53.6 million kilowatts at 894 sites, with a corresponding average annual generation of about 217.1 billion kilowatt-hours. Approximately one-half of this amount, or 27 percent of the national total, is in the eastern portion of the country, while the central portion

which includes the Hudson Bay, Upper and Lower Mississippi Rivers, Missouri River, and Western Gulf drainages contains the remaining 17 percent.

Summary table A shows that the North Pacific drainage has the largest aggregate amount of undeveloped hydroelectric power of all major drainages, representing about 39 percent of the total estimated undeveloped power of the country. The total estimated undeveloped power in the drainage is 37,129,700 kilowatts at 582 sites, with a corresponding average annual generation of 147.2 billion kilowatt-hours.

The bulk of the undeveloped power in the North Pacific drainage is in the Columbia River Basin, amounting to 33,187,600 kilowatts. This river with its tributaries has the largest amount of undeveloped power of any river system in the country. The main stem has undeveloped power estimated at 10,726,600 kilowatts, and five tributaries have undeveloped power of over one million kilowatts each, namely: Snake, 13,061,300 kilowatts; Clark Fork, 2,765,100 kilowatts; Kootenai, 1,265,200 kilowatts; and Willamette, 1,122,000 kilowatts.

Drainages having the least undeveloped potential are the Hudson Bay, Great Basin, and Upper Mississippi River drainages which when combined contain 1,140,900 kilowatts, only about one percent of the United States total.

Of single river systems the Mississippi River system - comprising the Missouri River, Ohio River, and Upper and Lower Mississippi River drainages - ranks second to the Columbia in undeveloped power with a total of 21.5 million kilowatts capacity.

Distribution by Geographic Divisions and States

The Pacific division, composed of Washington, Oregon, and California, has the largest total amount of undeveloped power of all divisions, representing about 37 percent of the United States total. (See summary table B.) The aggregate installed capacity is 35,256,600 kilowatts at 629 sites with a corresponding average annual generation of 145.1 billion kilowatt-hours. The Mountain division ranks second with 23,243,300 kilowatts or 24 percent of the total. The New England division is last in undeveloped potential with only about three percent of the country's total.

The State of Washington with a total capacity of 19,133,600 kilowatts has the largest aggregate undeveloped hydro power among the 48 states. California, also in the Pacific division, ranks second among the states while Idaho, in the Mountain division, is third. These three states contain 40 percent of the nation's total undeveloped potential hydroelectric power.

Three-fourths of the Nation's undeveloped potential hydroelectric power is contained in one-fourth of the states. These 12 states are shown on the following page together with the total potential hydroelectric power remaining undeveloped in each.

<u>State</u>	<u>Undeveloped capacity - kw</u>
Washington	19,133,600
California	10,299,500
Idaho	8,957,000
Montana	6,222,300
Oregon	5,823,500
Arizona	3,936,700
New York	3,935,400
Pennsylvania	3,305,000
Missouri	2,837,800
Georgia	2,215,400
West Virginia	2,161,000
Alabama	2,144,800
	<hr/>
	70,972,000

PERCENT DEVELOPMENT OF HYDROELECTRIC POWER RESOURCES

As previously noted, about 25 percent of the country's estimated total potential hydroelectric power of 127.2 million kilowatts was developed as of January 1, 1960. In the last 15 to 20 years, there has been a rapid increase in hydroelectric development in connection with the multiple use of water resources. In 1920, the total generating capacity installed in hydroelectric plants was 4,803,000 kilowatts, or only 4 percent of the potential hydroelectric resources. The increase in percent development of the country's potential hydroelectric power during the period since 1920 based on current estimates of total potential is shown in the following table:

<u>Year*</u>	<u>Developed capacity installed - kw</u>	<u>Percent development</u>
1920	4,803,000	4
1930	9,685,000	8
1940	12,304,000	10
1950	18,675,000	15
1959	31,912,000	25

*As of end of year.

By Major Drainages and Selected River Basins

Table 11 shows for major drainages and selected river basins the total installed capacity at existing developments, the estimated capacity at undeveloped sites, and the sum of the two, together with the percentage development. (See page 179.)

The North Pacific drainage, with the largest amounts of developed

and undeveloped power, is about 22 percent developed. The Ohio River drainage, which has the second largest amount of developed power, is about 40 percent developed; and the South Pacific drainage, which has the second largest amount of undeveloped power, is about 25 percent developed. The percentages of development for the fourteen drainages range from 13 percent in the Lower Mississippi River drainage to 64 percent in the Great Basin Drainage.

The Tennessee River Basin has the highest percentage development of any of the 24 selected river basins shown on table 11 with 86 percent. The Columbia River Basin, with the largest amount of both developed and undeveloped power, is 22 percent developed.

By Geographic Divisions and States

Table 12 gives information similar to that given in table 11 but by geographic divisions and states. (See page 180.)

The East South Central division, which contains the major portion of the Tennessee Valley Authority's existing power, has the largest percentage development, amounting to about 45 percent. The Pacific division, with the largest amounts of both developed and undeveloped power, is about 26 percent developed. The Mountain division, with 16 percent development, is the least developed percentagewise of all the geographic divisions.

The small potential hydroelectric resources of Rhode Island, Delaware, and the District of Columbia are fully developed, while no development had yet been made of the potential resources of Mississippi and Louisiana. The development of other states ranges from 2 percent in Kansas to 82 percent in Nevada.

HYDROELECTRIC PLANTS UNDER FEDERAL POWER COMMISSION LICENSE

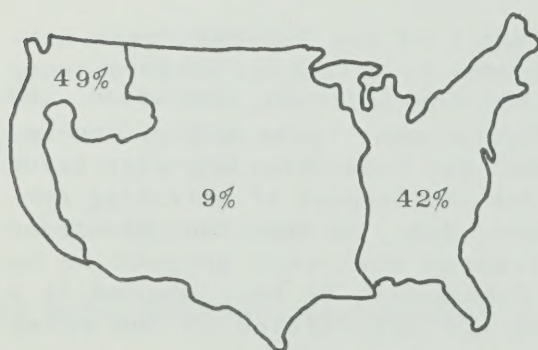
Pursuant to its authority under Part I of the Federal Power Act, the Federal Power Commission issues licenses to citizens, corporations, states, and municipalities authorizing the construction, operation, and maintenance of water-power projects on government lands and on streams over which the Congress has jurisdiction. The Commission may also issue licenses to such non-federal interests for the purpose of utilizing surplus water or water power from a government dam. An important provision of the Federal Power Act is the requirement that each project to be licensed shall, in the judgment of the Commission, be best adapted to a comprehensive plan for the development and utilization of the water resources of the river basin.

Table 13 shows all licensed plants in operation, under construction, and authorized for future construction as of January 1, 1960. The plants are listed by licensed project number within each of these three categories. The table shows for each plant the name of licensee, plant, and river, as well as the state, constructed capacity, capacity under

construction, and ultimate capacity. (See page 181.)

The table shows 307 constructed hydroelectric plants of 100 kilowatts or more capacity under Federal Power Commission license in the United States as of January 1, 1960, with a total installation of 11,862,316 kilowatts. These licensed plants comprise 242 private utility plants, 54 non-federal publicly-owned plants, and 11 industrial power plants. The plants are located in 35 states, with California having the largest aggregate installed capacity, totaling 2,184,617 kilowatts. Next in total amount is Washington, with 1,957,275 kilowatts. The states in which the plants are located, together with the total installed capacity in each state, are shown below:

<u>State</u>	<u>Developed licensed capacity - kw</u>	<u>State</u>	<u>Developed licensed capacity - kw</u>
Alabama	407,700	Nebraska	127,838
Arizona	7,000	New Hampshire	350,360
Arkansas	65,300	New York	1,219,950
California	2,184,617	North Carolina	746,350
Colorado	13,400	Oklahoma	86,900
Florida	9,280	Oregon	467,050
Georgia	233,400	Pennsylvania	431,320
Idaho	860,055	So. Carolina	596,935
Illinois	3,680	Tennessee	171,500
Iowa	3,000	Texas	22,500
Kentucky	82,360	Utah	21,095
Maine	80,400	Vermont	70,920
Maryland	254,240	Virginia	75,800
Massachusetts	81,896	Washington	1,957,275
Michigan	66,000	West Virginia	43,560
Minnesota	55,090	Wisconsin	161,160
Missouri	192,200	Wyoming	3,285
Montana	708,900		



*Distribution of developed
hydroelectric capacity
under FPC license*

All 14 major drainages contain licensed capacity, ranging from 4,600 kilowatts in the Hudson Bay drainage to 3.6 million kilowatts in the North Pacific drainage. A total of 5.8 million kilowatts are developed in the combined North and South Pacific drainages. This amounts to 49 percent of the total developed licensed capacity in the United States. Most of the remainder, 42 percent, is contained in the drainages east of the Mississippi River including the Ohio drainage. This leaves the Upper and Lower Mississippi River, Missouri River, Western Gulf, Colorado River, and Great Basin drainages with only nine percent.

Summary tables A and B show the licensed capacity for each major drainage and geographic division.

New capacity under construction on January 1, 1960 would add 6,188,000 kilowatts, making a total licensed installation of 18,050,316 kilowatts. This new capacity comprises 715,550 kilowatts under construction at 4 partially installed plants already in operation and 5,472,450 kilowatts of initial capacity at 16 new plants under construction. Provision is made at the 16 new plants and 24 existing plants for future additions of 1.7 million kilowatts.

Nineteen projects have been licensed by the Federal Power Commission to include power but were not under construction as of January 1, 1960. The planned ultimate installation at these plants totals 1,442,615 kilowatts.

FEDERAL HYDROELECTRIC PLANTS

The installed capacity of federal hydroelectric plants in the United States as of January 1, 1960, totaled 14,200,620 kilowatts, capable of producing on the average about 80 billion kilowatt-hours annually. These plants had provisions for ultimate installations totaling 17,412,820 kilowatts.

Table 14 lists the federal hydroelectric plants in operation, under construction, and authorized as of January 1, 1960, grouped by agencies and arranged by state locations, showing for each plant the existing installed capacity, the capacity being installed, and the planned ultimate capacity. The calendar year of initial operation is shown for plants in operation or under construction. (See pages 189 to 192.)

The federal agencies operating hydroelectric plants, together with the total capacity installed in each agency's plants at the end of 1959, are:

<u>Federal agency</u>	<u>Total developed capacity - kw</u>
Corps of Engineers	6,298,652
Bureau of Reclamation	5,107,050
Tennessee Valley Authority	2,745,458
International Boundary and Water Commission	31,500
Bureau of Indian Affairs	14,560
National Park Service	3,400

Federal hydroelectric plants are located in 28 states and the District of Columbia with Washington having the largest aggregate installation, totaling 3,843,250 kilowatts. Oregon and Tennessee are next in order with installed capacities of 1,762,900 and 1,741,288 kilowatts, respectively. The states in which federal hydroelectric plants are located, together with the total capacity installed in each state, are shown on the following page:

<u>State</u>	<u>Developed federal capacity - kw</u>	<u>State</u>	<u>Developed federal capacity - kw</u>
Alabama	793,550	Nevada	579,900
Arizona	904,900	New Mexico	24,300
Arkansas	324,400	North Carolina	329,700
California	753,100	North Dakota	240,000
Colorado	186,950	Oklahoma	79,000
District of Columbia	3,000	Oregon	1,762,900
Florida	30,000	South Carolina	282,000
Georgia	195,000	South Dakota	321,200
Idaho	206,500	Tennessee	1,741,288
Illinois	2,752	Texas	132,700
Kentucky	431,520	Utah	10,650
Michigan	18,400	Virginia	220,000
Missouri	101,500	Washington	3,844,050
Montana	420,360	Wyoming	161,000
Nebraska	100,000		

The Columbia River Basin has the largest total capacity installed at federal hydroelectric plants of any basin, amounting to 6,098,810 kilowatts. The second largest basin in terms of total capacity installed at federal plants is the Tennessee River basin, with 2,713,598 kilowatts. The river basins in which federal hydroelectric plants are located, together with the total capacity installed in each basin, are shown below:

<u>River Basin</u>	<u>Developed federal capacity - kw</u>	<u>River Basin</u>	<u>Developed federal capacity - kw</u>
Columbia	6,098,810	Apalachicola	116,000
Tennessee	2,713,598	Arkansas	79,000
Colorado	1,631,000	Mobile-Alabama	74,000
Missouri	1,059,116	Rio Grande	55,800
Sacramento	629,500	Brazos	30,000
Cumberland	617,460	St. Mary's	18,400
White	333,900	Potomac	3,000
Savannah	282,000	Upper Mississippi	2,752
Roanoke	220,000	San Joaquin	2,000
Red	163,200		

The largest existing federal hydroelectric plant is the Bureau of Reclamation's Grand Coulee plant on the Columbia River, with a total installation of 1,974,000 kilowatts. Next is the Bureau of Reclamation's Hoover plant on the Colorado River, with an installed capacity of 1,249,800 kilowatts distributed between 669,900 kilowatts installed in the powerhouse located on the Arizona side of the river and 579,900 kilowatts installed in the powerhouse on the Nevada side.

New capacity under construction on January 1, 1960, would add 5,659,700 kilowatts making a total federal hydroelectric installation of 19,860,320 kilowatts. This new capacity comprises 1,108,200 kilowatts under construction at 9 partially installed plants which have already been placed in operation, and 4,551,500 kilowatts of initial capacity at

20 new plants under construction. Provision is made at the 20 new and at 11 existing plants for future additions of about 4.1 million kilowatts.

Fifty-five dam and reservoir projects had been authorized for power but were not yet under construction. The planned ultimate installation at these plants totals 4,552,635 kilowatts.

LARGE HYDROELECTRIC PLANTS

Table 15 lists both existing plants and plants under construction which will have planned ultimate installations of 100,000 kilowatts or more. Shown for each plant are the existing capacity, the capacity of the initial installation, the planned ultimate capacity, and the average annual generation corresponding to the ultimate installation. (See pages 195 to 196.)

The table lists 103 plants with an aggregate initial installation of approximately 30.1 million kilowatts. The planned ultimate installations at these plants total 39.3 million kilowatts, with a corresponding average annual generation of 171 billion kilowatt-hours.

Fifty-nine percent of the country's existing hydroelectric generating capacity, totaling about 18.7 million kilowatts, is installed at 73 plants of 100,000 kilowatts or more capacity, representing about 4 percent of the total number of plants in the United States. The installations at the 73 large plants average about 250,000 kilowatts per plant, while at the 1612 plants with installations of less than 100,000 kilowatts the average per plant is close to 8,000 kilowatts.

Thirty-six plants of 100,000 kilowatts or more installed capacity are federally-owned and have about 12.1 million kilowatts of installed capacity; 29 plants, with an aggregate installation of about 4.4 million kilowatts, are private utility plants; and 7 plants, with approximately 2.1 million kilowatts, are non-federal public plants. There is one industrial hydroelectric plant, the Alloy plant on the New River, with 102,000 kilowatts installed capacity. Three federally-owned plants, Grand Coulee, Hoover, and Chief Joseph, have over one million kilowatts each. Two other federal plants, John Day and The Dalles, which were both under construction on January 1, 1960, will be in the million-kilowatt group when the initial installation is completed. The 912,000-kilowatt Robert Moses plant built by the Power Authority of the State of New York is the largest non-federal publicly-owned plant while the largest privately-owned plant is the Brownlee Plant of the Idaho Power Company, with 360,400 kilowatts installed capacity.

Approximately 10.6 million kilowatts capacity under construction on January 1, 1960, will be installed in electric utility plants of 100,000 kilowatts or more capacity, which will raise the number of 100,000 kilowatt plants to 91.

PUMPED-STORAGE PROJECTS

In recent years there has been a trend toward the use of "pumped-storage" hydro facilities as a source of peaking power. In this type of hydro project all or part of the water used for generation is pumped into an upper reservoir where it is again available for power generation. At the beginning of 1960 there were only four operating pumped-storage projects in the United States. These projects, listed below, are included in tables 2 and 4 showing all existing hydroelectric plants. Except for the Buchanan project, each plant utilizes reversible pump-turbines as contrasted with separate pumps and turbines.

<u>Project</u>	<u>River</u>	<u>State</u>	<u>Capacity - kw</u>	
			<u>Pumped-storage</u>	<u>Total</u>
Buchanan	Colorado	Tex.	12,500	33,750
Hiwassee	Hiwassee	N.C.	59,500	117,100
Rocky River	Rocky	Conn.	7,000	31,000
Flatiron	Big Thompson	Colo.	8,500	71,500
			87,500	253,350

In general, future pumped-storage developments must be designed to meet specific local conditions, and plant characteristics cannot readily be determined in advance. Since pumped-storage installations are not significantly limited by available streamflows, it is difficult to estimate the potential capacity on a site by site basis. Although varying amounts of study have been given to a number of potential pumped-storage developments, only ten such possibilities are included in tables 8 and 10 showing undeveloped hydroelectric power sites. These are listed below.

<u>Project</u>	<u>River</u>	<u>State</u>	<u>Capacity - kw</u>	
			<u>Pumped-storage</u>	<u>Total</u>
Niagara Falls	Niagara	N.Y.	240,000	2,190,000
Smith Mountain	Roanoke	Va.	85,000	285,000
Muscatine	Geneva Creek	Ia.	30,000	60,000
Bee Mountain	Brazos	Tex.	63,400	144,200
De Cordova Bend	Brazos	Tex.	78,600	140,200
Hightower	Brazos	Tex.	48,400	86,200
Inspiration Point	Brazos	Tex.	59,600	105,900
Turkey Creek	Brazos	Tex.	55,200	97,800
Morris Sheppard	Brazos	Tex.	18,000	40,500*
Goble Creek	Coosawattee	Ga.	300,000	360,000
			978,200	3,509,800

*Conventional 22,500-kw unit in operation.

Of the above developments, Niagara Falls was under construction on January 1, 1960, and a Federal Power Commission license for Smith Mountain was pending with construction ready to start.

TABLE 1. - INSTALLED CAPACITY AND AVERAGE ANNUAL GENERATION
OF EXISTING HYDROELECTRIC PLANTS - JANUARY 1, 1960

Totals by Major Drainages and River Basins

Drainage and river basin	Installed capacity Kw	Avg. annual generation 1000 Kwh	Drainage and river basin	Installed capacity Kw	Avg. annual generation 1000 Kwh
United States (Excluding Alaska and Hawaii)	31,912,843	166,362,500			
North Atlantic	2,563,837	10,631,130	Ohio River (Contd)		
South Atlantic	2,051,741	6,148,310	Kentucky	30,540	76,000
Eastern Gulf	917,326	3,822,700	Miami	3,775	14,600
Ohio River	4,363,657	19,531,400	Kanawha	259,800	1,160,500
Great Lakes-St. Lawrence	2,287,442	13,416,880	Beaver	200	800
Hudson Bay	16,306	76,400	Monongahela	69,200	153,000
Upper Mississippi River	623,582	3,131,750	Allegheny	28,800	74,000
Missouri River	1,748,486	8,705,600			
Lower Mississippi River	757,870	2,616,600	Great Lakes-St. Lawrence		
Western Gulf	345,310	1,094,600	St. Lawrence (Main)	912,000	6,500,000
Colorado River	1,819,470	8,536,280	Clyde	7,400	21,400
Great Basin	490,071	1,843,280	Missisquoi	7,875	31,800
North Pacific	10,521,628	68,461,300	Lamoille	21,130	99,300
South Pacific	3,406,117	18,346,270	Winooski	22,620	84,200
			Otter Creek	24,255	82,600
North Atlantic			Poultney	2,510	11,000
St. John	2,300	5,300	Ticonderoga	5,240	23,600
St. Croix	11,152	55,500	Bouquet	464	1,200
Machias	1,670	5,300	Ausable	4,702	21,500
Union	8,975	26,000	Saranac	33,895	177,400
Penobscot	109,302	605,100	Great Chazy	3,600	12,000
Meguncook	1,065	2,500	Chateaugay	720	5,200
Kennebec	208,455	817,200	Salmon	4,710	33,200
Androscoggin	146,006	857,100	St. Regis	7,625	45,300
Presumpscot	9,660	56,000	Raquette	165,175	810,300
Saco	46,165	245,700	Grass	1,200	9,000
Mousam	1,856	2,200	Oswegatchie	38,063	164,100
Salmon Falls	9,514	25,900	Black	100,743	525,000
Merrimack	88,183	330,610	Salmon	31,450	103,000
Providence	5,209	11,500	Oswego	56,462	252,880
Thames	14,865	46,000	Genesee	47,390	194,700
Connecticut	651,939	2,123,480	Oak Orchard Creek	6,800	26,300
Housatonic	122,831	340,640	Eighteen Mile Creek	1,000	2,300
Hudson	405,306	1,788,700	Niagara	174,187	1,494,000
Passaic	6,080	38,000	Cattaraugus Creek	500	2,000
Raritan	300	600	Cuyahoga	149	400
Great Egg	384	700	Sandusky	3,000	5,000
Maurice	500	2,600	Maumee	5,425	9,700
Delaware	68,098	155,100	Raisin	390	2,000
Susquehanna	624,970	2,988,100	Huron	11,415	36,900
Patapsco	600	3,600	Saginaw	14,910	30,800
Potomac	15,182	76,400	Au Sable	41,000	139,000
Rappahannock	3,270	21,300	Thunder Bay	7,225	21,700
			Cheboygan	4,360	15,300
South Atlantic			St. Marys	60,640	430,000
James	57,824	242,400	Cedar-Boyer-Rapid	2,600	6,600
Chowan	2,160	9,500	Boardman	4,330	13,500
Roanoke	345,733	897,600	Betsie	600	3,000
Pamlico	1,600	4,500	Manistee	38,000	99,000
Neuse	1,812	7,400	Pentwater	250	1,000
Cape Fear	9,050	28,700	Muskegon	48,430	164,100
Yadkin-Pee Dee	225,367	1,004,010	Grand	13,580	47,800
Santee	857,123	2,428,800	Kalamazoo	7,963	36,000
Savannah	483,070	1,261,300	St. Joseph	33,070	126,200
Altamaha	67,522	262,400	Fox	31,444	175,200
St. Johns	480	1,700	Oconto	3,450	11,900
			Peshtigo	22,724	75,000
Eastern Gulf			Menominee	106,208	544,200
Withlacoochee	3,213	14,000	Escanaba	12,200	42,400
Ocklockonee	8,800	12,000	Manistique	1,000	1,300
Apalachicola	323,898	1,412,000	Au Train	896	4,700
Choctawhatchee	1,450	7,000	Carp	4,480	19,000
Escambia	7,640	34,200	Dead	17,300	81,600
Mobile-Alabama	572,325	2,343,500	Falls	100	500
			Sturgeon	2,200	9,500
Ohio River			Ontonagon	12,000	68,000
Ohio (Main)	80,320	390,000	Montreal	2,570	18,200
Tennessee	3,255,458	15,561,600	Bad	1,450	6,300
Cumberland	617,460	2,040,000	Iron	800	3,000
Wabash	18,104	60,900	Eau Claire	707	2,300
			St. Louis	88,860	432,500

TABLE I. (Contd) - INSTALLED CAPACITY AND AVERAGE ANNUAL GENERATION
OF EXISTING HYDROELECTRIC PLANTS - JANUARY 1, 1960

Totals by Major Drainages and River Basins

Drainage and river basin	Installed capacity Kw	Avg. annual generation 1000 Kwh	Drainage and river basin	Installed capacity Kw	Avg. annual generation 1000 Kwh
Hudson Bay			Great Basin (Contd)		
Red	6,106	29,400	Humboldt Lake	320	3,500
Rainy	10,200	47,000	Duck Valley Creek	840	1,900
Upper Mississippi River			Great Salt Lake	182,436	592,200
Mississippi (Main)	204,078	1,248,400	Little Salt Lake	1,050	2,200
Illinois	26,054	112,700	Beaver	3,720	20,300
Des Moines	5,125	21,000	Sevier Lake	2,010	9,980
Iowa	6,073	18,350			
Rock	12,343	59,400	North Pacific		
Wapsipinicon	200	800	Nooksack	1,500	7,700
Maquoketa	3,215	9,100	Skagit	755,275	2,853,000
Turkey	422	800	Snohomish	41,690	267,500
Wisconsin	150,507	773,800	Cedar	22,856	110,000
Root	477	900	Puyallup	95,500	484,000
La Crosse	325	2,200	Nisqually	124,200	639,300
Black	5,920	18,200	Hood Canal	124,000	300,000
Zumbro	1,840	6,000	Elwha	24,000	140,000
Chippewa	162,812	654,800	Quinault	250	600
Cannon	1,900	9,200	Columbia Basin:		
St. Croix	34,157	157,900	Columbia (Main)	5,774,075	44,693,000
Minnesota	3,300	14,600	Lewis	518,000	2,041,300
Elk	250	1,000	Willamette	451,079	1,869,000
Sauk	150	100	Washougal	1,750	4,500
Crow Wing	3,320	19,100	Sandy	21,000	93,000
Prairie	1,084	3,400	White Salmon	9,600	95,000
Missouri River			Hood	6,150	48,300
Missouri (Main)	1,043,800	6,027,000	Deschutes	115,110	444,300
Osage	180,800	460,000	John Day	1,100	4,100
Kansas	5,866	19,400	Walla Walla	1,000	9,000
Platte	452,902	1,816,200	Snake	903,220	5,782,100
Big Sioux	1,500	7,000	Yakima	35,220	207,600
Niobrara	4,320	14,500	Wenatchee	2,450	14,000
White	350	600	Chelan	48,000	400,000
Cheyenne	11,196	47,200	Okanogan	3,200	19,000
Yellowstone	38,752	240,700	Spokane	146,840	1,042,700
Madison	9,000	73,000	Colville	1,200	9,000
Lower Mississippi River			Clark Fork	1,050,410	5,340,200
Red	228,500	617,000	Kootenai	6,880	33,000
Arkansas	178,430	683,500	Total - Columbia Basin	9,095,284	62,149,100
White	350,940	1,316,100	Umpqua	186,000	1,106,900
Western Gulf			Rogue	51,073	403,200
Brazos	52,500	172,000	South Pacific		
Colorado Texas	202,250	558,000	Klamath	137,220	672,970
Guadalupe	19,380	69,500	Russian	9,040	63,500
Rio Grande	71,180	295,100	Sacramento Basin:		
Colorado River			Sacramento (Main)	454,000	2,070,000
Colorado (Main)	1,612,400	7,782,500	American	224,977	1,022,800
Gila	87,890	307,500	Feather	785,670	3,878,900
Yuma Canal	1,600	15,000	Butte Creek	19,400	119,000
All American Canal	67,400	240,000	Battle Creek	30,200	180,000
Virgin	3,390	13,200	Cow Creek	4,200	34,000
San Juan	8,400	23,100	Pit	366,360	2,138,000
Escalante	2,750	23,000	Total - Sacramento Basin	1,884,807	9,442,700
Fremont	300	1,500	San Joaquin Basin:		
Green	2,350	15,400	San Joaquin (Main)	284,680	1,724,000
Dolores	4,800	20,600	Mokelumne	207,750	1,189,000
Gunnison	1,832	12,500	Stanislaus	146,890	954,700
Roaring Fork	1,400	2,000	Tuolumne	104,490	766,000
Eagle	358	980	Merced	36,690	155,000
Blue	21,600	70,000	Willow Creek	20,340	122,400
Williams Fork	3,000	9,000	Big Creek	214,750	1,542,000
Great Basin			Total-San Joaquin Basin	1,015,590	6,453,100
Truckee	9,400	74,300	Tulare Lake	276,850	1,124,500
Carson Lake	2,440	24,000	Buena Vista Lake	65,680	494,000
Mono Lake	20,800	77,600	San Gabriel	3,000	10,000
Owens	267,055	1,037,300	Santa Ana	10,920	75,900
			San Luis Rey	240	300
			Escondido Creek	520	4,800
			Salton Sea	2,250	4,500

**TABLE 2 -INDIVIDUAL EXISTING HYDROELECTRIC PLANTS
WITH PRINCIPAL CHARACTERISTICS - JANUARY 1, 1960**

By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	<u>NORTH ATLANTIC</u>						
P	ST JOHN						
P	MAINE PUBLIC SERVICE CO	CARIBOU	AROOSTOOK	MAINE	800	4 500	12
P	MAINE PUBLIC SERVICE CO	SQUA PAN	SQUA PAN STREAM	MAINE	1 500	800	30
					2 300	5 300	
I	ST CROIX						
I	ST CROIX PAPER CO	WOODLAND	ST CROIX	MAINE	1 500	7 500	48
I	ST CROIX PAPER CO	GRAND FALLS	ST CROIX	MAINE	9 652	48 000	52
					11 152	55 500	
P	MACHIAS						
P	BANGOR HYDRO ELECTRIC CO	MACHIAS	MACHIAS	MAINE	350	1 700	25
P	BANGOR HYDRO ELECTRIC CO	EAST MACHIAS	E MACHIAS	MAINE	1 320	3 600	30
					1 670	5 300	
P	UNION						
P	BANGOR HYDRO ELECTRIC CO	ELLSWORTH	UNION	MAINE	8 975*	26 000	60
					8 975	26 000	
P	PENOBSCOT						
M	CENTRAL MAINE POWER CO	EAST ORLAND	TODDY POND STREAM	MAINE	500	1 900	125
P	CITY OF BANGOR ELEC DEPT	BANGOR CITY	PENOBSCOT	MAINE	650	3 700	10
P	BANGOR HYDRO ELECTRIC CO	VEAZIE	PENOBSCOT	MAINE	8 400	50 000	17
P	BANGOR HYDRO ELECTRIC CO	ORONO	STILLWATER	MAINE	2 332	10 000	25
P	BANGOR HYDRO ELECTRIC CO	STILLWATER	STILLWATER	MAINE	1 975*	7 500	20
I	PENOBSCOT CHEM FIBRE CO	OLD TOWN	PENOBSCOT	MAINE	5 554	31 000	17
P	BANGOR HYDRO ELECTRIC CO	MILFORD	PENOBSCOT	MAINE	6 400	55 000	18
P	BANGOR HYDRO ELECTRIC CO	HOWLAND	PISCATAQUIS	MAINE	1 875	11 000	16
P	CENTRAL MAINE POWER CO	GREENVILLE	WILSON STREAM	MAINE	576	1 000	85
P	BANGOR HYDRO ELECTRIC CO	STANFORD	PENOBSCOT	MAINE	3 800	29 000	20
I	GREAT NORTHERN PAPER CO	MATTASEUNK	PENOBSCOT	MAINE	19 200	110 000	40
P	BANGOR HYDRO ELECTRIC CO	MEDWAY	W BR PENOBSCOT	MAINE	3 440	31 000	18
I	GREAT NORTHERN PAPER CO	DOLBY	W BR PENOBSCOT	MAINE	14 100	93 000	49
I	GREAT NORTHERN PAPER CO	MILLINOCKET	W BR PENOBSCOT	MAINE	8 000	44 000	110
I	GREAT NORTHERN PAPER CO	NORTH TWIN	W BR PENOBSCOT	MAINE	8 200	27 000	29
I	GREAT NORTHERN PAPER CO	RIPOGENUS	W BR PENOBSCOT	MAINE	24 300	100 000	186
					109 302	605 100	
I	MEGUNTICOOK						
P	SEABRIGHT WOVEN FELT CO	CAMDEN	MEGUNTICOOK	MAINE	240	400	-
P	CENTRAL MAINE POWER CO	BELFAST	GOOSE	MAINE	425	600	103
P	CENTRAL MAINE POWER CO	DAMARISCOTTA	DAMARISCOTTA LAKE	MAINE	400	1 500	66
					1 065	2 500	
I	KENNEBEC						
I	WARREN S D CO	COPSECOOK	COBBOSSSEE POND	MAINE	300	900	17
I	HUDSON PULP PAPER CO	AUGUSTA	KENNEBEC	MAINE	375	2 500	22
P	BATES MFG CO	EDWARDS DIVISION	KENNEBEC	MAINE	3 500	13 000	22
P	CENTRAL MAINE POWER CO	UNION GAS	MESSALONSKEE STR	MAINE	1 500	3 900	35
P	CENTRAL MAINE POWER CO	AUTOMATIC	MESSALONSKEE STR	MAINE	800	2 300	23
P	CENTRAL MAINE POWER CO	RICE RIPS	MESSALONSKEE STR	MAINE	1 600	4 300	42
P	CENTRAL MAINE POWER CO	OAKLAND	MESSALONSKEE STR	MAINE	2 800	8 000	66
P	CENTRAL MAINE POWER CO	FORT HALIFAX	SEBASTICOOK	MAINE	1 500	6 400	22
P	CENTRAL MAINE POWER CO	BURNHAM	SEBASTICOOK	MAINE	1 050	3 000	27
I	COTWOOL MFG CORP	WATERVILLE	KENNEBEC	MAINE	4 800	24 000	21
I	SCOTT PAPER CO	T AND A MILLS	KENNEBEC	MAINE	3 730	25 000	23
P	CENTRAL MAINE POWER CO	SHAWMUT	KENNEBEC	MAINE	4 650	34 000	22
P	CENTRAL MAINE POWER CO	WESTON	KENNEBEC	MAINE	12 000	74 000	32
M	MADISON ELEC WORKS	NORRIDGEWOCK	SANDY	MAINE	450	1 300	15
I	SCOTT PAPER CO	ABENAGUS	KENNEBEC	MAINE	1 650	5 400	42
I	KENNEBEC R PULP AND PAPER	MADISON	KENNEBEC	MAINE	6 000	52 000	20
P	CENTRAL MAINE POWER CO	WILLIAMS	KENNEBEC	MAINE	13 000	87 000	42
P	CENTRAL MAINE POWER CO	WYMAN	KENNEBEC	MAINE	72 000	300 000	138
P	OQUOSSOC LT AND POWER CO	EUSTIS	N BR DEAD	MAINE	250	-	12
P	CENTRAL MAINE POWER CO	*HARRIS	KENNEBEC	MAINE	76 400*	170 000	149
P	CENTRAL MAINE POWER CO	DENNISTOWN	CROCKER POND	MAINE	100	200	215
					208 455	817 200	
P	ANDROSCOGGIN						
P	CENTRAL MAINE POWER CO	BRUNSWICK	ANDROSCOGGIN	MAINE	1 473	11 000	19
P	PEJEPSCOT PAPER CO	PEJEPSCOT	ANDROSCOGGIN	MAINE	550	4 000	22
P	CENTRAL MAINE POWER CO	TOPSHAM	ANDROSCOGGIN	MAINE	900	7 000	14
P	CENTRAL MAINE POWER CO	BRUNSWICK	ANDROSCOGGIN	MAINE	1 530	5 200	14

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	ANDROSCOGGIN CONTD						
I	J P STEVENS AND CO INC	WORUMBO DIVISION	ANDROSCOGGIN	MAINE	900	3 300	19
P	CENTRAL MAINE POWER CO	NORWAY	PENNESSEEWASSEE	MAINE	280	200	52
I	PEPPERELL MFG CO	LEWISTON	ANDROSCOGGIN	MAINE	100	200	35
I	LIBBEY W S CO	LEWISTON	ANDROSCOGGIN	MAINE	800	2 700	28
I	CONTINENTAL MILLS	LEWISTON	ANDROSCOGGIN	MAINE	1 776	8 600	22
I	BATES MANUFACTURING CO	LEWISTON	ANDROSCOGGIN	MAINE	4 800	18 500	28
I	BATES MANUFACTURING CO	HILL DIVISION	ANDROSCOGGIN	MAINE	2 160	9 500	25
I	BATES MANUFACTURING CO	ANDROSCOGGIN	ANDROSCOGGIN	MAINE	2 782	11 000	25
M	LEWISTON PUBLIC WORKS	LEWISTON	ANDROSCOGGIN	MAINE	700	3 000	25
P	CENTRAL MAINE POWER CO	ANDROSCOGGIN NO	ANDROSCOGGIN	MAINE	3 600	20 000	31
P	CENTRAL MAINE POWER CO	DEER RIP NO 1	ANDROSCOGGIN	MAINE	6 540	28 000	31
P	CENTRAL MAINE POWER CO	GULF ISLAND	ANDROSCOGGIN	MAINE	19 200	120 000	55
I	INTERNATIONAL PAPER CO	LIVERMORE FALLS	ANDROSCOGGIN	MAINE	3 360	22 000	31
I	INTERNATIONAL PAPER CO	OTIS	ANDROSCOGGIN	MAINE	2 680	10 000	24
I	INTERNATIONAL PAPER CO	JAY	ANDROSCOGGIN	MAINE	3 125	16 000	14
I	OXFORD PAPER CO	OXFORD	ANDROSCOGGIN	MAINE	950	6 100	30
P	RUMFORD FALLS POWER CO	LOWER	ANDROSCOGGIN	MAINE	12 800	94 000	78
P	RUMFORD FALLS POWER CO	UPPER	ANDROSCOGGIN	MAINE	25 000	150 000	99
I	BROWN CO	SHELburne	ANDROSCOGGIN	N H	3 720	14 000	17
I	BROWN CO	GORHAM	ANDROSCOGGIN	N H	4 800	26 000	30
P	PUBLIC SERVICE CO OF N H	GORHAM	ANDROSCOGGIN	N H	2 150	15 000	20
I	BROWN CO	CASCADE	ANDROSCOGGIN	N H	7 200	48 000	45
I	BROWN CO	CROSS POWER	ANDROSCOGGIN	N H	3 180	19 000	23
P	PUBLIC SERVICE CO OF N H	SMITH STATION	ANDROSCOGGIN	N H	15 000	96 000	87
I	BROWN CO	RIVERSIDE	ANDROSCOGGIN	N H	11 400	74 000	65
I	BROWN CO	BERLIN	ANDROSCOGGIN	N H	2 200	14 000	18
P	OQUOSSOC LT AND POWER CO	KENNEBAGO	KENNEBAGO	MAINE	350	800	32
					146 006	857 100	
	PRESUMPSCOT						
I	WARREN S D CO	SMELT HILL	PRESUMPSCOT	MAINE	900	4 000	14
I	WARREN S D CO	CUMBERLAND	PRESUMPSCOT	MAINE	600	600	22
I	WARREN S D CO	SACCARAPPA	PRESUMPSCOT	MAINE	1 350	11 000	28
I	WARREN S D CO	DUNDEE	PRESUMPSCOT	MAINE	2 400	16 000	51
P	CENTRAL MAINE POWER CO	NORTH GORHAM	PRESUMPSCOT	MAINE	2 250	12 000	34
I	WARREN S D CO	EEL WEIR	PRESUMPSCOT	MAINE	1 800	12 000	40
P	CENTRAL MAINE POWER CO	BRIDGTON	WILLET	MAINE	360	400	50
					9 660	56 000	
	SACO						
P	CENTRAL MAINE POWER CO	CATARACT	SACO	MAINE	6 650	39 000	44
I	SACO REALTY CO	YORK DIVISION	SACO	MAINE	900	4 700	44
P	CENTRAL MAINE POWER CO	SKELTON	SACO	MAINE	16 800	94 000	74
P	CENTRAL MAINE POWER CO	BAR MILLS	SACO	MAINE	4 000	20 000	18
P	CENTRAL MAINE POWER CO	WEST BUXTON	SACO	MAINE	6 625	24 000	27
P	CENTRAL MAINE POWER CO	BONNY EAGLE	SACO	MAINE	7 200	39 000	38
P	CORNISH KEZAR FLS L PR CO	KEZAR FALLS	OSSIPEE	MAINE	350	1 400	16
P	CENTRAL MAINE POWER CO	HIRAM	SACO	MAINE	2 400	19 000	79
P	PUBLIC SERVICE CO OF N H	FRYEBURG	SACO	MAINE	640	1 600	13
P	WHITE MOUNTAIN POWER CO	GOODRICH FALLS	GLEN ELLIS	N H	600	3 000	67
					46 165	245 700	
	MOUSAM						
M	KENNEBUNK LT AND PWR DIST	KENNEBUNK	MOUSAM	MAINE	150	600	14
M	KENNEBUNK LT AND PWR DIST	WEST KENNEBUNK	MOUSAM	MAINE	206	400	18
I	YORK UTILITIES CO	OLD FALLS	MOUSAM	MAINE	1 000	400	62
I	YORK UTILITIES CO	ESTES	MOUSAM	MAINE	500	800	36
					1 856	2 200	
	SALMON FALLS						
P	PUBLIC SERVICE CO OF N H	DOVER HYDRO	COCHECO	N H	480	800	30
I	WYANDOTTE WORSTED CO	ROCHESTER	COCHECO	N H	100	400	22
P	CENTRAL MAINE POWER CO	SOUTH BERWICK	SALMON FALLS	MAINE	1 200	2 800	20
P	CENTRAL MAINE POWER CO	GREAT WORKS	SALMON FALLS	MAINE	500	1 000	32
P	PUBLIC SERVICE CO OF N H	SALMON FALLS	SALMON FALLS	N H	2 000	6 600	45
P	PUBLIC SERVICE CO OF N H	GREAT FALLS LOWE	SALMON FALLS	MAINE	1 600	3 300	30
P	PUBLIC SERVICE CO OF N H	GREAT FALLS UPPE	SALMON FALLS	N H	2 600	8 000	65
I	SPAULDING FIBER CO INC	NORTH ROCHESTER	SALMON FALLS	N H	250	400	-
I	SPAULDING FIBRE CO INC	MILTON N ROCHEST	SALMON FALLS	N H	612	1 900	129
P	PUBLIC SERVICE CO OF N H	MILTON	SALMON FALLS	N H	172	700	14
					9 514	25 900	
	MERRIMACK						
P	MERRIMACK ESSEX ELEC CO	NO 5	POWOW	MASS	800	1 900	65
P	MERRIMACK ESSEX ELEC CO	LAKE GARDNER	POWOW	MASS	150	300	16
I	EVERETT MILL PROPERTIES	EVERETT MILLS	MERRIMACK	MASS	1 000	1 700	26
I	PATCHOGUE PLYMOUTH MILLS	LAWRENCE	MERRIMACK	MASS	360	700	29
I	MERRIMAC PAPER CO INC	MERRIMAC	MERRIMACK	MASS	900	2 300	30
I	OXFORD PAPER CO INC	LAWRENCE	MERRIMACK	MASS	1 200	6 100	26
I	PACIFIC MILLS	WORSTED	MERRIMACK	MASS	3 320	16 000	30

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	MERRIMACK CONTD						
I	MERRIMACK ESSEX ELEC CO	LAWRENCE	MERRIMACK CANAL	MASS	1 350	200	30
I	IRA E NEWMAN AGENT	METHUEN	SPRICKET	MASS	265	300	-
I	TALBOT MILLS	NORTH BILLERICA	CONCORD	MASS	300	300	-
I	MAYNARD INDUSTRIES	ASSABET	ASSABET	MASS	150	300	22
M	METROPOLITAN DIST COMM	SUDBURY	SUDBURY	MASS	720	4 500	73
I	LOWELL IND DEVELOPMENT CO	LOWELL	MERRIMACK CANAL	MASS	4 975	8 900	40
I	JACKSON PROPERTIES INC	LOWELL	MERRIMACK CANAL	MASS	1 050	1 900	40
I	BOOTT MILLS	LOWELL	MERRIMACK CANAL	MASS	2 400	6 900	40
I	LOWELL IND DEVELOPMENT	LOWELL	MERRIMACK CANAL	MASS	1 300	5 400	40
I	MINE FALLS DEVELOPMENT	NASHUA MILL	NASHUA	N H	5 040	9 400	36
I	ST REGIS PAPER CO	PEPPERELL	NASHUA	MASS	1 920	5 600	28
I	SAMSON CORDAGE WORKS	SHIRLEY	SHIRLEY RESERVOIR	MASS	125	10	-
M	METROPOLITAN DIST COMM	WACHUSETT	S BR NASHUA	MASS	3 200	8 100	98
M	METROPOLITAN DIST COMM	OAKDALE	QUABBIN AQUEDUCT	MASS	3 500	6 000	135
I	CROCKER BURBANK AND CO	FITCHBURG	NORTH NASHUA	MASS	760	1 200	98
I	HILLSBOROUGH MILLS	WILTON	SOUHEGAN	N H	600	900	38
I	GREENVILLE MILLS INC	GREENVILLE	SOUHEGAN	N H	750	800	60
P	GREENVILLE EL LT CO	GREENVILLE	SOUHEGAN	N H	200	300	-
P	PUBLIC SERVICE CO OF N H	KELLEYS FALLS	PISCATAQUOG	N H	1 000	2 000	21
P	PUBLIC SERVICE CO OF N H	GREGGS FALLS	PISCATAQUOG	N H	3 000	6 800	65
P	PUBLIC SERVICE CO OF N H	†AMOSKEAG	MERRIMACK	N H	16 000	79 000	46
P	PUBLIC SERVICE CO OF N H	†HOOKSETT	MERRIMACK	N H	1 600	11 000	14
I	SUN COOK MFG CO	ALLENTOWN	SUNCOOK	N H	2 180	4 900	-
P	PUBLIC SERVICE CO OF N H	†GARVINS FALLS	MERRIMACK	N H	7 200	40 000	30
P	CONCORD ELECTRIC CO	†SEWALLS FALLS	MERRIMACK	N H	2 000	13 000	16
I	HOAGUE SPRAGUE CO	WEST HOPKINTON	CONTOOCOOK	N H	200	100	20
P	PUBLIC SERVICE CO OF N H	JACKMAN	CONTOOCOOK	N H	3 200	8 000	178
I	MONADNACK PAPER CO	BENNINGTON	CONTOOCOOK	N H	1 200	6 000	-
P	PUBLIC SERVICE CO OF N H	FRANKLIN	WINNEPESAUKEE	N H	350	2 500	18
I	SULLOWAY INDUSTRIES INC	FRANKLIN	WINNEPESAUKEE	N H	375	600	16
I	J P STEVENS AND CO INC	FRANKLIN MILL	WINNEPESAUKEE	N H	380	700	11
P	PUBLIC SERVICE CO OF N H	LOCHMERE	WINNEPESAUKEE	N H	800	4 400	16
I	SCOTT AND WILLIAMS INC	LAKEPORT	LAKE PAUGUS	N H	125	500	8
P	PUBLIC SERVICE CO OF N H	EASTMAN FALLS	PEMIGEWASSET	N H	3 000	16 000	33
P	PUBLIC SERVICE CO OF N H	BRISTOL NO 8	NEWFOUND	N H	168	600	16
P	PUBLIC SERVICE CO OF N H	AYERS ISLAND	PEMIGEWASSET	N H	8 400	40 000	80
I	FRANCONIA PAPER	LINCOLN	PEMIGEWASSET	N H	670	4 500	50
					88 183	330 610	
	PROVIDENCE						
I	INTERLAKEN MILLS	DYE FINISH	N BR PAWTUXET	R I	150	200	18
I	VALLEY LACE CO	HOPE MILL	N BR PAWTUXET	R I	460	700	26
M	CITY OF PROVIDENCE	GAINER DAM	N BR PAWTUXET	R I	1 500	4 000	86
P	BLACKSTONE VAL G AND E CO	PAWTUCKET NO 2	BLACKSTONE	R I	600	2 600	16
I	BERKSHIRE HATHAWAY INC	ALBION	BLACKSTONE	R I	512	1 000	12
P	BLACKSTONE VAL G AND E CO	WOONSOCKET NO 1	BLACKSTONE	R I	375	500	12
I	STAMINA MILLS INC	FORESTDALE	BRANCH	R I	400	200	15
I	KENDALL CO	SLATERSVILLE	BRANCH	R I	320	800	35
I	WHITIN MACHINE WORKS	WHITINSVILLE	MUMFORD	MASS	580	800	26
I	WHITIN PAUL MFG CO	NORTHBRIDGE	BLACKSTONE	MASS	200	400	11
I	J J O'DONNELL WOOLENS INC	FARNUMSVILLE	BLACKSTONE	MASS	112	300	9
					5 209	11 500	
	THAMES						
P	BOZRAH LIGHT AND POWER CO	GILMAN	YANTIC	CONN	200	500	29
M	NORWICH CITY OF	SECOND STREET	SHETUCKET	CONN	800	5 000	16
P	THE CONN LIGHT AND PWR CO	TUNNEL	QUINEBAUG	CONN	2 000	9 800	25
I	ASPINOOK CORP	JEWETT CITY	QUINEBAUG	CONN	1 105	2 800	23
I	BRUNSWICK WORSTED MILL	MOOSUP	QUINEBAUG	CONN	250	400	20
I	DANIELSON FINISHING CO	DANIELSON NO 2	FIVE MILE	CONN	500	800	26
I	PRYM WILLIAM INC	DAYVILLE	FIVE MILE	CONN	200	200	-
I	NEW ENGLAND CHEMICAL CO	PUTNAM	QUINEBAUG	CONN	250	600	17
I	REPUBLIC TEXTILE EQUIP	GROSVENORDALE	FRENCH	CONN	500	900	26
I	RHODE ISLAND CARDBOARD CO	WEST DUDLEY	QUINEBAUG	MASS	495	300	11
I	AMERICAN OPTICAL CO	SOUTHBRIDGE	QUINEBAUG	MASS	200	600	12
I	RUSSELL HARRINGTON CO	SOUTHBRIDGE	QUINEBAUG	MASS	240	600	-
I	PONEMAH MILLS	TAFTVILLE	SHETUCKET	CONN	1 770	5 000	26
I	PARKE DAVIS AND CO	VERSAILLES	LITTLE	CONN	150	300	21
I	ANGUS PARK WOOLEN CO INC	HANOVER	LITTLE	CONN	100	300	28
M	NORWICH CITY OF	OCCUM	SHETUCKET	CONN	800	3 500	13
I	BALTIC MILLS CO	BALTIC	SHETUCKET	CONN	1 600	3 700	28
P	THE CONN LIGHT AND PWR CO	SCOTLAND DAM	SHETUCKET	CONN	2 000	7 300	26
I	AMERICAN THREAD CO	WILLIMANTIC	WILLIMANTIC	CONN	1 605	3 300	63
I	JOHNSON CYRIL WOOLEN CO	STAFFORD SPRINGS	FURNACE	CONN	100	100	15
					14 865	46 000	
	CONNECTICUT						
I	CONTINENTAL CAN CO INC	KENSINGTON	MATTABESSET	CONN	150	200	-
I	THE CONNECTICUT POWER CO	MANCHESTER	HOCKANUM	CONN	600	700	40
P	FARMINGTON RIVER POWER CO	RAINBOW	FARMINGTON	CONN	8 000	28 000	60

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS I/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	CONNECTICUT CONTD						
I	COLLINS CO	COLLINSVILLE	FARMINGTON	CONN	1 600	6 000	18
P	THE CONN LIGHT AND PWR CO	ROBERTSVILLE	MAD	CONN	500	1 700	53
I	DEXTER C H AND SONS INC	WINDSOR LOCKS	CONNECTICUT	CONN	500	2 400	27
I	SOUTHWORTH PAPER CO	WEST SPRINGFIELD	WESTFIELD	MASS	150	700	-
I	STRATHMORE PAPER CO	WEST SPRINGFIELD	WESTFIELD	MASS	1 400	4 800	32
P	WESTERN MASS ELEC CO	COBBLE MOUNTAIN	WESTFIELD LITTLE	MASS	33 000	20 000	456
I	STRATHMORE PAPER CO	WORONOCO	WESTFIELD	MASS	2 690	8 000	50
I	WESTFIELD RIVER PAPER CO	RUSSELL	WESTFIELD	MASS	700	2 800	22
I	TEXON INC	RUSSELL	WESTFIELD	MASS	800	2 600	32
P	WESTERN MASS ELEC CO	DWIGHT	CHICOPEE	MASS	2 080	9 900	31
P	WESTERN MASS ELEC CO	INDIAN ORCHARD	CHICOPEE	MASS	4 900	12 000	35
P	WESTERN MASS ELEC CO	LUDLOW	CHICOPEE	MASS	3 200	15 000	44
P	WESTERN MASS ELEC CO	RED BRIDGE	CHICOPEE	MASS	3 600	17 000	51
P	NEW ENGLAND POWER CO	THREE RIVERS	CHICOPEE	MASS	2 200	8 000	28
M	METROPOLITAN DIST COMM	WINSOR	SWIFT	MASS	1 200	4 800	-
I	WARE INDUSTRIES INC	WARE	WARE	MASS	1 045	2 200	48
I	BARRE WOOL COMBING CO LTD	SOUTH BARRE	WARE	MASS	150	800	21
P	HOLYOKE WATER POWER CO	†HADLEY FALLS	CONNECTICUT	MASS	15 000	100 000	52
I	STANDARD PACKAGING CORP	HOLYOKE	CONNECTICUT CANAL	MASS	1 600	8 000	23
I	LIVINGSTON WORSTED MILLS	HOLYOKE	CONNECTICUT CANAL	MASS	300	1 200	12
P	HOLYOKE WATER POWER CO	†RIVERSIDE STATIO	CONNECTICUT CANAL	MASS	7 640	32 000	30
I	AMERICAN WRITING PAP CORP	ALL MILLS	CONNECTICUT CANAL	MASS	3 510	9 700	39
I	PARSONS PAPER CO	HOLYOKE	CONNECTICUT CANAL	MASS	732	900	20
M	HOLYOKE GAS AND ELEC DEPT	HOLYOKE	CONNECTICUT CANAL	MASS	2 356*	11 000	20
I	CROCKER MCELWAIN CO	HOLYOKE	CONNECTICUT CANAL	MASS	600	1 500	20
I	SKINNER WM AND SONS CO	HOLYOKE	CONNECTICUT CANAL	MASS	300	600	20
P	HOLYOKE WATER POWER CO	†BEEBEE HOLBROOK	CONNECTICUT CANAL	MASS	516	2 500	20
I	PRENTISS GEO W AND CO	HOLYOKE	CONNECTICUT CANAL	MASS	382	800	20
P	HOLYOKE WATER POWER CO	†BOATLOCK STATION	CONNECTICUT CANAL	MASS	2 900	18 000	20
I	HAMPTON MILLS INC	EASTHAMPTON	MANHAN	MASS	120	80	-
P	NEW ENGLAND POWER CO	DEERFIELD NO 2	DEERFIELD	MASS	4 800	34 000	65
P	WESTERN MASS ELEC CO	GARDNER FALLS	DEERFIELD	MASS	3 980	17 000	39
P	NEW ENGLAND POWER CO	DEERFIELD NO 3	DEERFIELD	MASS	4 800	37 000	68
P	NEW ENGLAND POWER CO	DEERFIELD NO 4	DEERFIELD	MASS	4 800	32 000	68
I	KENDALL CO	GRISWOLDVILLE	NORTH	MASS	180	400	22
P	NEW ENGLAND POWER CO	DEERFIELD NO 5	DEERFIELD	MASS	15 000	83 000	245
P	NEW ENGLAND POWER CO	SHERMAN	DEERFIELD	MASS	7 200	28 000	80
P	NEW ENGLAND POWER CO	HARRIMAN	DEERFIELD	VT	33 600	96 000	390
P	NEW ENGLAND POWER CO	SEARSBURG	DEERFIELD	VT	4 000	27 000	232
P	WESTERN MASS ELEC CO	†CABOT	CONNECTICUT CANAL	MASS	51 000	240 000	61
P	WESTERN MASS ELEC CO	†TURNERS FALLS	CONNECTICUT CANAL	MASS	4 840	8 700	48
I	ESLEECK MANUFACTURING CO	TURNERS FALLS	CONNECTICUT CANAL	MASS	450	200	42
I	STRATHMORE PAPER CO	TURNERS FALLS	CONNECTICUT CANAL	MASS	937	4 800	47
I	MILLERS FALLS PAPER CO	MILLERS FALLS	MILLERS	MASS	1 300	5 000	26
I	ATHOL MFG CO	ATHOL	MILLERS	MASS	240	600	15
I	STARRETT L S CO	ATHOL	MILLERS	MASS	112	200	-
I	HINSDALE PAPER MFG CO	HINSDALE	ASHUELOT	N H	350	1 900	-
I	TROY BLANKET MILLS	TROY	S BR ASHUELOT	N H	100	100	26
P	PUBLIC SERVICE CO OF N H	MINNEWAWA	MINNEWAWA BROOK	N H	1 600	3 600	255
P	NEW ENGLAND POWER CO	†VERNON *	CONNECTICUT	N H-VT	24 400	135 000	34
P	CENTRAL VT PUB SERV CORP	DUMMERSTON	WEST	VT	720	2 000	26
P	NEW ENGLAND POWER CO	†BELLOWS FALLS	CONNECTICUT	VT	40 800	220 000	62
I	SPRINGFIELD TERMINAL Rwy	GOULDS MILLS	BLACK	VT	400	300	-
I	FELLOWS GEAR SHAPER CO	SPRINGFIELD	BLACK	VT	525	700	11
P	CENTRAL VT PUB SERV CORP	CAVENDISH	BLACK	VT	1 440	6 100	120
I	COY PAPER CO	WEST CLAREMONT	SUGAR	N H	500	1 300	33
I	CLAREMONT PAPER CO INC	CLAREMONT	SUGAR	N H	800	2 800	27
P	CENTRAL VT PUB SERV CORP	CLAREMONT	SUGAR	N H	250	900	20
I	DORR WOOLEN CO	NO 1	SUGAR	N H	120	300	27
M	CENTRAL VT PUB SERV CORP	TAFTSVILLE	OTTAUQUECHEE	VT	500	2 000	17
P	BRIDGEWATER ELECTRIC CO	BRIDGEWATER	OTTAUQUECHEE	VT	150	400	15
P	GRANITE STATE ELECTRIC CO	WEST LEBANON NO	MASCOMA	N H	1 300	5 400	73
P	GRANITE STATE ELECTRIC CO	WEST LEBANON NO	MASCOMA	N H	224	400	16
P	GRANITE STATE ELECTRIC CO	LEBANON NO 1	MASCOMA	N H	140	500	19
I	E CUMMINGS LEATHER CO INC	LEBANON	MASCOMA	N H	150	500	-
I	AMERICAN WOOLEN CO INC	BALTIC	MASCOMA	N H	150	200	15
I	BETHEL MILLS INC	BETHEL	WHITE	VT	150	400	16
P	NEW ENGLAND POWER CO	†WILDER *	CONNECTICUT	N H-VT	32 400	140 000	51
P	CENTRAL VT PUB SERV CORP	BRADFORD	WAITS	VT	360	1 900	76
M	WOODSVILLE PRECINCT OF	WOODSVILLE	AMMONOOSUC	N H	400	800	-
P	PUBLIC SERVICE CO OF N H	LISBON	AMMONOOSUC	N H	150	900	16
M	LITTLETON WTR AND LT DEPT	APTHORP	AMMONOOSUC	N H	300	1 100	19
P	PUBLIC SERVICE CO OF N H	BETHLEHEM	AMMONOOSUC	N H	300	1 300	46
P	NEW ENGLAND POWER CO	†MCINDOES	CONNECTICUT	N H	10 560	46 000	29
P	GREEN MOUNTAIN POWER CORP	WEST DANVILLE 15	JOES BROOK	VT	1 000	2 500	180
P	CENTRAL VT PUB SERV CORP	PASSUMPSIC	PASSUMPSIC	VT	700	4 100	22
P	CENTRAL VT PUB SERV CORP	GAGE	PASSUMPSIC	VT	700	3 100	22
P	CENTRAL VT PUB SERV CORP	ARNOLD FALLS	PASSUMPSIC	VT	350	1 300	17

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CONNECTICUT CONTD							
M	LYNDONVILLE VILLAGE OF	GREAT FALLS	PASSUMPSIC	VT	600	4 400	61
P	CENTRAL VT PUB SERV CORP	PIERCE MILLS	PASSUMPSIC	VT	250	1 300	17
M	LYNDONVILLE VILLAGE OF	VAIL STATION	PASSUMPSIC	VT	350	200	15
P	NEW ENGLAND POWER CO	†COMERFORD	CONNECTICUT	N H	140 400	310 000	179
P	NEW ENGLAND POWER CO	†S C MOORE	CONNECTICUT	N H	140 400	240 000	160
I	WYOMING VALLEY PAPER CO	NORTHUMBERLAND	CONNECTICUT	N H	1 100	3 400	10
I	GILMAN PAPER CO	GILMAN	CONNECTICUT	VT	2 990	15 000	27
P	PUBLIC SERVICE CO OF N H	LYMAN FALLS	CONNECTICUT	VT	1 200	6 200	30
P	PUBLIC SERVICE CO OF N H	CANAAN	CONNECTICUT	VT	1 000	7 400	35
					651 939	2 123 480	
HOUSATONIC							
P	HOUSATONIC PUB SERV CO	HOUSATONIC	HOUSATONIC	CONN	800	3 100	18
I	AMERICAN BRASS CO	ANSONIA	NAUGATUCK	CONN	760	3 100	35
P	THE CONN LIGHT AND PWR CO	STEVENSON	HOUSATONIC	CONN	30 500	98 000	69
P	THE CONN LIGHT AND PWR CO	SHEPAUG	HOUSATONIC	CONN	37 200	120 000	97
P	THE CONN LIGHT AND PWR CO	BANTAM	BANTAM	CONN	320	1 300	62
P	THE CONN LIGHT AND PWR CO	ROCKY RIVER 2/	ROCKY	CONN	31 000	18 000	230
P	THE CONN LIGHT AND PWR CO	BULLS BRIDGE	HOUSATONIC	CONN	8 400	45 000	107
P	THE CONNECTICUT POWER CO	FALLS VILLAGE	HOUSATONIC	CONN	9 000	39 000	92
P	S BERKSHIRE PWR AND EL CO	GREAT BARRINGTON	HOUSATONIC	MASS	300	1 600	12
P	S BERKSHIRE PWR AND EL CO	ROCKDALE	WILLIAMS	MASS	400	1 800	68
I	RISING PAPER CO	HOUSATONIC	HOUSATONIC	MASS	692	1 200	27
I	MONUMENT MILLS	NO 1 AND NO 2	HOUSATONIC	MASS	1 000	2 400	41
I	HURLBUT PAPER CO	SOUTH LEE	HOUSATONIC	MASS	461	1 700	19
I	SCHWEITZER PETER J INC	LEE	HOUSATONIC	MASS	1 458	4 000	24
I	BERKSHIRE WOOLEN CO	PITTSFIELD	ONOTA BROOK	MASS	270	200	31
I	CRANE AND CO	ALL PLANTS	HOUSATONIC	MASS	150	200	60
I	SAWYER REGAN CO	DALTON	HOUSATONIC	MASS	120	40	22
					122 831	340 640	
HUDSON							
I	GROVEVILLE CORP	BEACON	FISH KILL CR	N Y	520	1 100	-
I	BRAENDLY DYE WORKS INC	BEACON	FISH KILL CR	N Y	100	300	-
I	NEOTEX MFG CO	WAPPINGERS FALLS	WAPPINGER CR	N Y	1 300	5 500	85
P	CENT HUDSON G AND EL CORP	STURGEON POOL	WALLKILL	N Y	14 400	55 000	113
P	CENT HUDSON G AND EL CORP	DASHVILLE	WALLKILL	N Y	4 800	18 000	42
P	NEW YORK ST EL AND G CORP	WALDEN	WALLKILL	N Y	1 475	5 500	36
P	ORANGE AND ROCKLAND UTIL	GRAHAMSVILLE	RONDOUT CR	N Y	18 000	92 000	440
P	CENT HUDSON G AND EL CORP	HIGH FALLS	RONDOUT CR	N Y	2 120	7 200	48
P	CENT HUDSON G AND EL CORP	NEVERSINK	RONDOUT CR	N Y	25 000	48 000	552
I	MARTIN CANTINE CO	SAUGERTIES	ESOPUS CR	N Y	400	1 200	-
P	CENT HUDSON G AND EL CORP	CAIRO	CATSKILL CR	N Y	700	1 900	40
P	NIAGARA MOHAWK PWR CORP	STUYVESTANT	KINDERHOOK CR	N Y	2 800	15 000	100
I	FORD MOTOR CO	†GREEN ISLAND	HUDSON	N Y	7 200	34 000	16
I	MANNING J A PAPER CO INC	TROY	POESTEN	N Y	300	600	-
P	NIAGARA MOHAWK PWR CORP	CHAMPLAIN	MOHAWK	N Y	180	1 000	16
P	NIAGARA MOHAWK PWR CORP	SCHOOL ST COHOES	MOHAWK	N Y	38 800	170 000	94
M	NEW YORK ST DEPT PUB WKS	CRESCENT	MOHAWK	N Y	5 600	39 000	28
M	NEW YORK ST DEPT PUB WKS	VISSCHER FERRY	MOHAWK	N Y	5 600	35 000	28
P	NIAGARA MOHAWK PWR CORP	EPHRAHA	CAROGA CR	N Y	5 150	15 000	294
P	NIAGARA MOHAWK PWR CORP	BEARDSLEE FALLS	E CANADA CR	N Y	20 000	50 000	156
P	NIAGARA MOHAWK PWR CORP	INGHAMS MILLS	E CANADA CR	N Y	6 400	28 000	124
I	GREEN DANIEL CO	DOLGEVILLE	E CANADA CR	N Y	320	1 800	-
P	NIAGARA MOHAWK PWR CORP	DOLGEVILLE	E CANADA CR	N Y	1 860	9 400	71
I	FROST WHITE PAPER MILLS	SALISBURY	SPRUCE CR	N Y	360	1 400	-
P	NIAGARA MOHAWK PWR CORP	SPRITE CREEK	SPRITE CR	N Y	5 840	15 000	407
P	NIAGARA MOHAWK PWR CORP	LITTLE FALLS	MOHAWK	N Y	1 150	8 500	18
I	BURROWS PAPER CORP	LITTLE FALLS	MOHAWK	N Y	150	300	-
I	STANDARD FURNITURE CO	HERKIMER	W CANADA CR	N Y	300	1 000	-
P	NIAGARA MOHAWK PWR CORP	TRENTON FALLS	W CANADA CR	N Y	23 425*	130 000	264
P	NIAGARA MOHAWK PWR CORP	PROSPECT	W CANADA CR	N Y	17 325	71 000	-
I	CASCADE FINISHING CO	ORISKANY FALLS	ORISKANY CR	N Y	125	300	20
P	NIAGARA MOHAWK PWR CORP	MECHANICVILLE	HUDSON	N Y	4 500	31 000	17
I	WEST VA PULP AND PAPER CO	MECHANICVILLE	HUDSON	N Y	6 310	41 000	23
P	NIAGARA MOHAWK PWR CORP	SCHAGHTICOKE	HOOSIC	N Y	13 120	62 000	153
P	NIAGARA MOHAWK PWR CORP	JOHNSONVILLE	HOOSIC	N Y	4 800	12 000	35
P	CENTRAL VT PUB SERV CORP	HOOSIC FALLS	HOOSIC	N Y	1 050	3 700	24
P	NIAGARA MOHAWK PWR CORP	SCHUYLerville	FISH CR	N Y	1 200	7 600	61
P	NIAGARA MOHAWK PWR CORP	VICTORY MILLS	FISH CR	N Y	1 280	4 200	40
P	NIAGARA MOHAWK PWR CORP	MIDDLE FALLS	BATTENKILL	N Y	1 040	5 900	51
I	STEVENS THOMPSON PAPER CO	GREENWICH	BATTENKILL	N Y	750	4 900	15
I	UNITED BOARD CARTON CORP	THOMSON	HUDSON	N Y	1 320	9 000	18
P	NIAGARA MOHAWK PWR CORP	FORT EDWARD	HUDSON	N Y	2 850	22 000	21
P	NIAGARA MOHAWK PWR CORP	BAKERS FALLS	HUDSON	N Y	2 250	15 000	55
P	NIAGARA MOHAWK PWR CORP	MOREAU	HUDSON	N Y	4 800	42 000	64
I	FINCH PRUYN AND CO	GLENS FALLS	HUDSON	N Y	5 240	17 000	45
P	NIAGARA MOHAWK PWR CORP	SOUTH GLEN FALLS	HUDSON	N Y	3 800	27 000	47
P	MOREAU MANUFACTURING CORP	FEEDER DAM	HUDSON	N Y	6 000	28 000	15
P	NIAGARA MOHAWK PWR CORP	SHERMAN ISLAND	HUDSON	N Y	28 800	150 000	67

| SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS /	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	HUDSON CONTD						
I	NIAGARA MOHAWK PWR CORP	SPIER FALLS	HUDSON	N Y	44 400	210 000	84
I	INTERNATIONAL PAPER CO	PALMER	HUDSON	N Y	4 950	30 000	87
P	INTERNATIONAL PAPER CO	CURTIS	HUDSON	N Y	5 000	22 000	26
P	NIAGARA MOHAWK PWR CORP	†STEWARTS BRIDGE	SACANDAGA	N Y	30 000	120 000	100
P	NIAGARA MOHAWK PWR CORP	E J WEST	SACANDAGA	N Y	20 000	62 000	75
P	INDIAN LAKE PWR AND LT CO	CEDAR RIVER	CEDAR	N Y	146	400	-
					405 306	1 788 700	
M	PASSAIC						
M	PATERSON CITY OF	GREAT FALLS	PASSAIC	N J	3 680	28 000	68
	PASSAIC VALLEY WATER COMM	LITTLE FALLS	PASSAIC	N J	2 400	10 000	36
					6 080	38 000	
I	RARITAN						
	HARSCO CORP	HIGH BRIDGE	S BR RARITAN	N J	300	600	33
					300	600	
I	GREAT EGG						
	WHEATON GLASS CO	MAYS LANDING	GREAT EGG	N J	384	700	14
					384	700	
I	MAURICE						
	MILLVILLE MFG CO	MILLVILLE	MAURICE	N J	500	2 600	-
					500	2 600	
I	DELAWARE						
I	BANCROFT JOS AND SONS CO	WILMINGTON	BRANDYWINE CR	DEL	600	100	20
I	UNION MILLS PAPER CO	NEW HOPE	DELAWARE CANAL	PA	334	-	-
I	RIEGEL PAPER CORP	RIEGELSVILLE	MUSCONETCONG	N J	250	1 100	21
I	RIEGEL PAPER CORP	HUGHESVILLE	MUSCONETCONG	N J	444	1 900	27
I	RIEGEL PAPER CORP	WARREN GLEN	MUSCONETCONG	N J	720	4 000	50
P	ORANGE AND ROCKLAND UTIL	RIO	MONGAUP	N Y	10 000	34 000	185
P	ORANGE AND ROCKLAND UTIL	MONGAUP FALLS	MONGAUP	N Y	4 000	20 000	115
P	ORANGE AND ROCKLAND UTIL	SWINGING BRIDGE	MONGAUP	N Y	6 750	12 000	122
P	ORANGE AND ROCKLAND UTIL	SWINGING BRIDGE	MONGAUP	N Y	5 000	6 000	122
P	PENNSYLVANIA P AND LT CO	†WALLENPAUPACK	LACKAWAXEN	PA	40 000	76 000	370
					68 098	155 100	
P	SUSQUEHANNA						
P	SUSQUEHANNA ELECTRIC CO	†CONOWINGO	SUSQUEHANNA	MD	254 240*	1 300 000	88
P	PENNSYLVANIA P AND LT CO	†HOLTWOOD	SUSQUEHANNA	PA	109 800*	600 000	51
P	SAFE HARBOR WTR PWR CORP	†SAFE HARBOR	SUSQUEHANNA	PA	230 000	920 000	54
I	INTERNATIONAL PAPER CO	†YORK HAVEN	SUSQUEHANNA	PA	2 500	16 000	21
P	METROPOLITAN EDISON CO	†YORK HAVEN	SUSQUEHANNA	PA	19 620	120 000	21
P	PENNSYLVANIA ELEC CO	RAYSTOWN	RAYSTOWN BR	PA	2 100	12 000	32
P	PENNSYLVANIA ELEC CO	WARRIOR RIDGE	JUNIATA	PA	2 000	8 900	27
I	T C LEWIS CO	HILLSGROVE	LOYALSOCK	PA	100	400	-
P	PENNSYLVANIA ELEC CO	†OAKLAND	SUSQUEHANNA	PA	600	1 900	9
I	ELMORE MILLING CO INC	ONEONTA	SUSQUEHANNA	N Y	450	900	-
P	NEW YORK ST EL AND G CORP	COLLIERS	SUSQUEHANNA	N Y	3 560	8 000	30
					624 970	2 988 100	
I	PATAPSCO						
	DICKEY W J AND SONS INC	OELLA	PATAPSCO	MD	600	3 600	43
					600	3 600	
F	POTOMAC						
P	CORPS OF ENGINEERS	DALECARLIA	POTOMAC R CANAL	D C	3 000	5 000	140
P	POTOMAC LT AND PWR CO	MILLVILLE	SHENANDOAH	W VA	2 840	18 000	26
P	NORTHERN VIRGINIA PWR CO	WARREN	SHENANDOAH	VA	750	4 200	8
P	NORTHERN VIRGINIA PWR CO	LURAY	S FK SHENANDOAH	VA	1 600	9 000	14
P	NORTHERN VIRGINIA PWR CO	NEWPORT	S FK SHENANDOAH	VA	1 400	9 000	24
P	NORTHERN VIRGINIA PWR CO	SHENANDOAH	S FK SHENANDOAH	VA	862	4 800	10
P	POTOMAC LT AND PWR CO	HARPERS FERRY	POTOMAC	W VA	840	6 100	26
P	POTOMAC EDISON CO	ANTIETAM	ANTIETAM CR	MD	125	700	14
P	POTOMAC LT AND PWR CO	DAM NO 4	POTOMAC	W VA	1 000	7 500	19
P	CUMBERLAND VAL ELEC CO	MONTGOMERY	CONOCOCHIEGUE CR	PA	125	400	7
P	POTOMAC LT AND PWR CO	DAM NO 5	POTOMAC	W VA	1 120	7 600	17
P	POTOMAC LT AND PWR CO	CACAPON	CACAPON	W VA	1 120	3 100	24
P	ROYAL GLENN PWR CO	ROYAL GLENN	S BR POTOMAC	W VA	400	1 000	9
					15 182	76 400	
P	RAPPAHANNOCK						
P	VIRGINIA EL AND PWR CO	EMBREY	RAPPAHANNOCK	VA	3 150	21 000	51
P	NORTHERN VIRGINIA PWR CO	MADISON	ROBINSON RUN	VA	120	300	18
					3 270	21 300	
	NORTH ATLANTIC TOTAL				2 563 837	10 631 130	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS J/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	<u>SOUTH ATLANTIC</u>						
	JAMES						
I	ALLIED CHEM DYE CO	HOPEWELL	APPOMATTOX	VA	7 500	27 000	-
P	VIRGINIA EL AND PWR CO	HARVELL	APPOMATTOX	VA	500	2 500	11
P	VIRGINIA EL AND PWR CO	LOCKS	APPOMATTOX	VA	4 565	20 000	73
P	VIRGINIA EL AND PWR CO	MANCHESTER	JAMES	VA	1 000	2 200	17
P	VIRGINIA EL AND PWR CO	TWELFTH STREET	JAMES	VA	10 550	35 000	22
I	ALBEMARLE PAPER CO	RICHMOND	JAMES	VA	160	400	51
P	VIRGINIA EL AND PWR CO	PARK	JAMES	VA	2 100	13 000	48
I	ALBEMARLE PAPER MFG CO	HOLLYWOOD	JAMES	VA	280	1 100	25
M	RICHMOND DEPT OF PUB UTIL	HOLLYWOOD	JAMES	VA	2 024	14 000	25
P	VIRGINIA EL AND PWR CO	BELLE ISLE	JAMES	VA	3 000	17 000	21
M	RICHMOND DEPT OF PUB UTIL	BYRD PARK	JAMES	VA	1 125	9 600	19
I	ALBERENE STONE CORP OF VA	SCHUYLER	ROCKFISH	VA	780	2 500	32
P	APPALACHIAN POWER CO	REUSENS	JAMES	VA	12 500	42 000	35
I	GLAMORGAN PIPE AND FDRY	LYNCHBURG	JAMES	VA	150	200	18
I	OWENS ILLINOIS GLASS CO	BIG ISLAND	JAMES	VA	480	2 400	12
M	BEDFORD TOWN OF	SNOWDEN	JAMES	VA	970	7 000	18
P	VIRGINIA EL AND PWR CO	CUSHAW	JAMES	VA	7 500	30 000	26
P	VIRGINIA EL AND PWR CO	BALCONY FALLS	JAMES	VA	1 920	12 000	15
M	CRAIG BOYETOURT COOP	NEW CASTLE	MEADOW CR	VA	300	1 600	606
M	BARC ELEC COOP	FALLING SPRINGS	FALLING SPR CR	VA	420	2 900	515
					57 824	242 400	
	CHOWAN						
P	VIRGINIA EL AND PWR CO	EMPORIA	MEHERRIN	VA	2 160	9 500	41
					2 160	9 500	
	ROANOKE						
P	VIRGINIA EL AND PWR CO	†ROANOKE RAPIDS	ROANOKE	N C	100 080	340 000	78
F	CORPS OF ENGINEERS	JOHN KERR	ROANOKE	VA	206 000*	440 000	91
P	VIRGINIA EL AND PWR CO	HALIFAX	BANNISTER	VA	1 000	5 900	30
I	DAN RIVER MILLS INC	RIVERSIDE	DAN	VA	2 450	10 000	21
I	DAN RIVER MILLS INC	SCHOOLFIELD	DAN	VA	5 300	15 000	28
I	SPRAY COTTON MILLS	SPRAY	SMITHS	N C	1 000	2 600	38
M	MARTINSVILLE CITY OF	MARTINSVILLE	SMITHS	VA	1 300	5 000	32
F	CORPS OF ENGINEERS	PHILPOTT	SMITHS	VA	14 000*	27 000	163
I	WASHINGTON MILLS CO	MAYODAN	MAYO	N C	1 200	6 000	17
P	APPALACHIAN POWER CO	STUART	MAYO	VA	184	600	41
P	DUKE POWER CO	WALNUT COVE	DUKE	N C	544	1 600	18
M	DANVILLE WT G AND EL DEPT	PINNACLES	DAN	VA	10 125	30 000	701
P	APPALACHIAN POWER CO	ROCKY MOUNT	PIGG	VA	150	900	25
P	APPALACHIAN POWER CO	NIAGARA	ROANOKE	VA	2 400	13 000	61
					345 733	897 600	
	PAMLICO						
I	ROCKY MOUNT MILLS	ROCKY MOUNT	TAR	N C	1 600	4 500	24
					1 600	4 500	
	NEUSE						
M	WILSON UTILITIES	WILSON	CONTENTNEA CR	N C	312	800	13
M	DURHAM CITY OF	LAKE MICHIE	FLAT	N C	1 500	6 600	80
					1 812	7 400	
	CAPE FEAR						
I	BROWER MILLS INC	HOPE MILLS	ROCKFISH CR	N C	450	1 900	24
I	ROCKFISH MILLS INC	HOPE MILLS	ROCKFISH CR	N C	400	2 800	24
P	RAEFORD POWER AND MFG CO	RAEFORD	ROCKFISH CR	N C	800	600	-
P	CAROLINA POWER AND LT CO	BUCKHORN	CAPE FEAR	N C	2 900	10 000	23
P	CAROLINA POWER AND LT CO	LOCKVILLE	DEEP	N C	1 000	4 100	22
P	CAROLINA POWER AND LT CO	CARBANTON	DEEP	N C	500	1 200	12
I	ODELL J M MFG CO	BYNUM	HAW	N C	600	1 600	15
I	SELLERS MFG CO	SAXAPAHAW	HAW	N C	1 500	3 000	12
I	VIRGINIA MILLS INC	SWEPSONVILLE	HAW	N C	900	3 500	15
					9 050	28 700	
	YADKIN-PEE DEE						
I	MORGAN COTTON MILLS INC	LAUREL HILL	LITTLE PEE DEE	N C	200	10	-
P	SONOCO PRODUCTS CO	HARTSVILLE	BLACK CR	S C	318	800	-
P	CAROLINA POWER AND LT CO	†BLEWETT	PEE DEE	N C	24 600	130 000	50
P	CAROLINA POWER AND LT CO	EURY	LITTLE CR	N C	600	2 500	48
P	CAROLINA POWER AND LT CO	†TILLERY	YADKIN	N C	62 450*	190 000	72
P	YADKIN INC	†YADKIN FALLS	YADKIN	N C	20 300	130 000	54
P	YADIN INC	†YADKIN NARROWS	YADKIN	N C	81 200	410 000	177
P	YADKIN INC	†HIGH ROCK	YADKIN	N C	33 000	130 000	59
P	DUKE POWER CO	IDOLS	YADKIN	N C	1 411	6 200	10
P	DUKE POWER CO	PILOT MOUNTAIN	ARARAT	N C	500	1 900	18
P	DUKE POWER CO	MOUNT AIRY NO 2	ARARAT	N C	448	1 500	18
P	DUKE POWER CO	MOUNT AIRY NO 1	ARARAT	N C	160	300	18
P	DUKE POWER CO	CARTERS FALLS	ELKIN	N C	180	800	77
					225 367	1 004 010	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
Santee							
M	SO CAROLINA PUB SERV AUTH	†PINOPOLIS	Santee Cooper	S C	132 615	640 000	70
M	SO CAROLINA PUB SERV AUTH	†SPILLWAY	Santee	S C	1 920	14 000	47
P	DUKE POWER CO	†WATEREE	Waterree	S C	56 000	190 000	77
P	DUKE POWER CO	†ROCKY CREEK	Catawba	S C	24 400*	6 000	58
P	DUKE POWER CO	†CEDAR CREEK	Catawba	S C	45 000	110 000	57
P	DUKE POWER CO	†DEARBORN	Catawba	S C	45 000	85 000	69
P	DUKE POWER CO	†GREAT FALLS	Catawba	S C	24 800*	48 000	71
P	DUKE POWER CO	†FISHING CREEK	Catawba	S C	36 720	110 000	58
P	DUKE POWER CO	†CATAWBA	Catawba	S C	60 000	110 000	68
I	STOWE MILLS INC	MCADENVILLE	South Fork	N C	800	3 200	-
P	DUKE POWER CO	SPENCER MOUNTAIN	South Fork	N C	640	4 600	24
I	HARDEN MFG CO	DALLAS	South Fork	N C	200	700	-
I	CAROLINIAN MILLS	HIGH SHOALS NO 3	South Fork	N C	1 700	5 400	25
I	D E RHYNE MILLS INC	LINCOLN PLANT	South Fork	N C	250	1 200	-
I	LONG SHOALS COTTON MILLS	LINCOLNTON	South Fork	N C	424	1 300	-
I	HENRY RIVER MILLS CO	HENRY RIVER	Henry Fork	N C	125	500	35
P	DUKE POWER CO	†MOUNTAIN ISLAND	Catawba	N C	60 000	100 000	76
P	DUKE POWER CO	†LOOKOUT SHOALS	Catawba	N C	19 370*	84 000	77
P	DUKE POWER CO	†OXFORD	Catawba	N C	36 000	91 000	90
P	DUKE POWER CO	LITTLE RIVER	Little River	N C	500	500	50
P	DUKE POWER CO	GUNPOWDER NO 2	Gunpowder CR	N C	100	200	25
P	DUKE POWER CO	GUNPOWDER NO 1	Gunpowder CR	N C	400	1 200	75
P	DUKE POWER CO	†RHODHISS	Catawba	N C	25 500	53 000	59
P	DUKE POWER CO	†BRIDGEWATER	Catawba	N C	20 000	38 000	137
P	DUKE POWER CO	LAKE TAHOMA	Buck CR	N C	240	1 000	60
P	SO CAROLINA EL AND GAS CO	†COLUMBIA	Broad	S C	10 600	50 000	32
P	SO CAROLINA EL AND GAS CO	†PARR	Broad	S C	14 880	75 000	35
I	RIVERDALE MILLS	SPARTANBURG	Enoree	S C	1 300	4 900	42
P	DUKE POWER CO	VAN PATTON	Enoree	S C	600	3 200	55
I	STARTEX MILL	PRINT CRASH	South Tiger	S C	3 200	5 400	72
I	VICTOR MONAGHAN CO	APALACHE	South Tiger	S C	1 300	2 200	50
P	UNION MFG AND POWER CO	NEAL SHOALS	Broad	S C	5 200	30 000	25
P	LOCKHART POWER CO	LOCKHART	Broad	S C	12 300	60 000	52
I	PACOLET MANUFACTURING CO	PACOLET S C	Pacoleet	S C	2 500	8 300	27
I	CLIFTON MFG CO	CLIFTON	Pacoleet	S C	2 575	9 100	34
I	PEQUOT MILLS INC	WHITNEY	Lawson Fork	S C	180	200	-
M	SPARTANBURG COMM PUB WKS	SPARTANBURG	S FK PACOLET	S C	1 000	2 500	65
I	FRANKLIN PROC SPINN MILL	FINGERVILLE	N FK PACOLET	S C	125	700	-
P	DUKE POWER CO	99 ISLANDS	Broad	S C	18 250*	56 000	68
P	DUKE POWER CO	GASTON SHOALS	Broad	S C	9 265*	36 000	46
I	LILY MILLS CO	SHELBY	First Broad	N C	600	1 800	25
I	CLEVELAND MILL AND PWR CO	LAWDALE	First Broad	N C	888	2 600	-
I	CONE MILLS CORP	CLIFFSIDE	Second Broad	N C	1 625	2 900	30
P	DUKE POWER CO	TURNER SHOALS	Green	N C	5 500	14 000	85
P	DUKE POWER CO	TUXEDO	Green	N C	5 000	21 000	296
P	CAROLINA MOUNTAIN PWR CO	LAKE LURE	Broad	N C	3 600	8 000	100
P	SO CAROLINA EL AND GAS CO	†SALUDA	Saluda	S C	130 000	220 000	180
M	GREENWOOD COUNTY COMM	†BUZZARD ROOST	Saluda	S C	15 000	46 000	55
P	DUKE POWER CO	BOYDS MILL	Reedy	S C	995*	5 000	42
P	DUKE POWER CO	TUMBLING SHOALS	Reedy	S C	300	500	16
I	RIEGEL TEXTILE CO	WARE SHOALS	Saluda	S C	4 266	17 000	66
P	BELTON LIGHT AND POWER CO	HOLIDAYS BRIDGE	Saluda	S C	3 500	12 000	41
I	PELZER MILLS	PELZER	Saluda	S C	5 300	21 000	39
I	PIEDMONT MFG CO	PIEDMONT	Saluda	S C	1 900	6 700	24
P	DUKE POWER CO	SALUDA	Saluda	S C	2 670*	8 000	41
					857 123	2 428 800	
Savannah							
I	GRANITEVILLE CO	GRANITEVILLE	Horse CR	S C	450	1 200	42
I	GRANITEVILLE CO	VAUCLUSE	Horse CR	S C	480	800	53
I	GRANITEVILLE CO	ENTERPRISE	Savannah	GA	1 200	6 200	30
I	GRANITEVILLE CO	SIBLEY	Savannah	GA	2 100	11 000	30
P	SO CAROLINA EL AND G CO	STEVENS CREEK	Savannah	GA	18 880	90 000	29
F	CORPS OF ENGINEERS	CLARK HILL	Savannah	S C	282 000*	700 000	136
M	ABBEVILLE WTR EL PLT	ABBEVILLE	Rocky	S C	2 800	9 200	80
P	DUKE POWER CO	PORTMAN SHOALS	Seneca	S C	5 740*	23 000	46
I	UTICA MOHAWK COTTON MILLS	SENECA DIVISION	Coneross CR	S C	900	2 300	56
I	ABNEY MILLS	COURTENAY MILL	Little	S C	1 200	2 400	25
I	NORRIS COTTON MILLS CO	CATEECHEE	Twelve Mile CR	S C	900	4 200	-
P	GEORGIA POWER CO	YONAH	Tugalo	GA	22 500	51 000	70
P	GEORGIA POWER CO	TUGALO	Tugalo	GA	45 000	110 000	144
P	GEORGIA POWER CO	TALLULAH FALLS	Tallulah	GA	72 000	170 000	603
P	GEORGIA POWER CO	TERRORA	Tallulah	GA	16 000	46 000	189
P	GEORGIA POWER CO	NACOOCHEE	Tallulah	GA	4 800	14 000	61
P	GEORGIA POWER CO	BURTON	Tallulah	GA	6 120	20 000	114
					483 070	1 261 300	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	ALTAMAHA						
P	GEORGIA POWER CO	†SINCLAIR	OCONEE	GA	45 000	160 000	90
P	GEORGIA POWER CO	BARNETT SHOALS	OCONEE	GA	2 800	15 000	50
P	GEORGIA POWER CO	MITCHELL	M FK OCONEE	GA	500	2 300	22
P	GEORGIA POWER CO	TALLASSEE	M FK OCONEE	GA	1 500	5 000	41
I	JULIETTE MILLING CO	MACON	OCMULGEE	GA	1 022	2 000	-
P	GEORGIA POWER CO	LLOYD SHOALS	OCMULGEE	GA	14 400	67 000	102
I	BIBB MFG CO	PORTERDALE	YELLOW	GA	1 500	8 200	48
I	CALLAWAY MILLS	MILSTEAD	YELLOW	GA	800	2 900	42
					1 238 512	7 114 000	
P	ST JOHNS FLORIDA POWER CORPORATION	†MOSS BLUFF	OKLAWAHA	FLA	480	1 700	12
					480	1 700	
	<u>SOUTH ATLANTIC TOTAL</u>				<u>2 051 741</u>	<u>6 148 310</u>	
	<u>EASTERN GULF</u>						
P	WITHLACOOCHEE FLORIDA POWER CORPORATION	DUNNELLO	WITHLACOOCHEE	FLA	3 213	14 000	25
					3 213	14 000	
P	OCKLOCKONEE FLORIDA POWER CORPORATION	†JACKSON BLUFF	OCKLOCKONEE	FLA	8 800	12 000	35
					8 800	12 000	
P	APALACHICOLA FLORIDA PUB UTILITIES CO	BLUE SPRINGS	MERRITTS POND	FLA	168	500	14
F	CORPS OF ENGINEERS	JIM WOODRUFF	APALACHICOLA	FLA	30 000	206 000	32
P	GEORGIA POWER CO	CREDILLE	PATAULA CR	GA	1 680	9 200	30
I	EAGLE AND PHENIX MILLS	COLUMBUS	CHATTAHOOCHEE	GA	4 100	25 000	26
I	CITY MILLS CO	COLUMBUS	CHATTAHOOCHEE	GA	180	300	10
P	GEORGIA POWER CO	NO HIGHLAND	CHATTAHOOCHEE	GA	6 900	45 000	38
P	GEORGIA POWER CO	†OLIVER	CHATTAHOOCHEE	GA	60 000	255 000	68
P	GEORGIA POWER CO	†GOAT ROCK	CHATTAHOOCHEE	GA	26 000	164 000	65
P	GEORGIA POWER CO	†BARTLETTS FERRY	CHATTAHOOCHEE	GA	65 000	350 000	116
P	GEORGIA POWER CO	RIVERVIEW	CHATTAHOOCHEE	GA	480	2 700	15
P	GEORGIA POWER CO	LANGDALE	CHATTAHOOCHEE	GA	4 010	20 000	15
P	GEORGIA POWER CO	†MORGAN FALLS	CHATTAHOOCHEE	GA	16 800	50 500	46
F	CORPS OF ENGINEERS	BUFORD	CHATTAHOOCHEE	GA	86 000	173 000	150
I	HABERSHAM MILLS	HABERSHAM	SOGUE	GA	1 640	4 700	67
P	GEORGIA POWER CO	†FLINT RIVER	FLINT	GA	5 400	47 000	27
M	CRISP COUNTY POWER COMM	†CORDELE	FLINT	GA	15 200	58 000	30
P	GEORGIA POWER CO	WHITEWATER	WHITEWATER CR	GA	340	1 100	10
					323 898	1 412 000	
M	CHOCTAWHATCHEE ALABAMA ELECTRIC COOP INC	ELBA	PEA	ALA	1 450	7 000	30
					1 450	7 000	
M	ESCAMBIA ALABAMA ELECTRIC COOP INC	POINT A HYDRO	CONECUH	ALA	5 200	25 000	41
M	ALABAMA ELECTRIC COOP INC	GANTT	CONECUH	ALA	2 440	9 200	30
					7 640	34 200	
I	MOBILE-ALABAMA MT VERNON WOODBERRY MILLS	TALLASSEE MILLS	TALLAPOOSA	ALA	8 000	25 000	90
P	ALABAMA POWER CO	THURLOW DAM	TALLAPOOSA	ALA	50 000	228 000	90
P	ALABAMA POWER CO	YATES	TALLAPOOSA	ALA	32 000	136 000	53
P	ALABAMA POWER CO	†MARTIN DAM	TALLAPOOSA	ALA	154 200	340 000	145
P	ALABAMA POWER CO	†JORDAN DAM	COOSA	ALA	100 000	691 000	89
P	ALABAMA POWER CO	†MITCHELL	COOSA	ALA	72 500	390 000	66
P	ALABAMA POWER CO	†LAY DAM	COOSA	ALA	81 000	380 000	69
I	THOMPSON WEINMAN CO	CARTERSVILLE	ETOWAH	GA	625	3 500	-
F	CORPS OF ENGINEERS	ALLATOONA	ETOWAH	GA	74 000*	150 000	141
					572 325	2 343 500	
	<u>EASTERN GULF TOTAL</u>				<u>917 326</u>	<u>3 822 700</u>	
	<u>OHIO RIVER</u>						
F	TENNESSEE TENNESSEE VALLEY AUTH	KENTUCKY	TENNESSEE	KY	160 320*	1 160 000	50
F	TENNESSEE VALLEY AUTH	COLUMBIA	DUCK	TENN	800	1 600	15
F	TENNESSEE VALLEY AUTH	PICKWICK LANDING	TENNESSEE	TENN	216 320*	1 330 000	46
F	TENNESSEE VALLEY AUTH	WILSON	TENNESSEE	ALA	436 750*	2 390 000	88
F	TENNESSEE VALLEY AUTH	WHEELER	TENNESSEE	ALA	259 360*	1 230 000	48
F	TENNESSEE VALLEY AUTH	GUNTERSVILLE	TENNESSEE	ALA	97 440*	740 000	38

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
TENNESSEE CONTD							
F	TENNESSEE VALLEY AUTH	HALES BAR	TENNESSEE	TENN	99 700	550 000	33
F	TENNESSEE VALLEY AUTH	CHICKAMAUGA	TENNESSEE	TENN	108 240*	760 000	45
F	TENNESSEE VALLEY AUTH	OCOEE NO 1	OCOEE	TENN	18 000	65 000	116
F	TENNESSEE VALLEY AUTH	OCOEE NO 2	OCOEE	TENN	21 000	130 000	245
F	TENNESSEE VALLEY AUTH	OCOEE NO 3	OCOEE	TENN	27 028*	180 000	308
F	TENNESSEE VALLEY AUTH	BLUE RIDGE	TOCCOA	GA	20 000	35 000	145
F	TENNESSEE VALLEY AUTH	HIWASSEE ²	HIWASSEE	N C	117 100	265 000	246
P	NANTAHALA POWER AND LT CO	MISSION	HIWASSEE	N C	1 800	12 000	40
F	TENNESSEE VALLEY AUTH	NOTTELY	NOTTELY	GA	15 000	37 000	169
F	TENNESSEE VALLEY AUTH	CHATUGE	HIWASSEE	N C	10 000	30 000	124
F	TENNESSEE VALLEY AUTH	APALACHIA	HIWASSEE	TENN	75 000	460 000	439
F	TENNESSEE VALLEY AUTH	WATTS BAR	TENNESSEE	TENN	150 240*	790 000	54
F	TENNESSEE VALLEY AUTH	NORRIS	CLINCH	TENN	100 800	400 000	194
P	TAPOCO INC	†CHILHOWEE	LITTLE TENNESSEE	TENN	50 000	186 000	62
P	TAPOCO INC	†CALDERWOOD	LITTLE TENNESSEE	TENN	121 500	600 000	217
P	TAPOCO INC	†SANTEEHLAH	CHEOAH	N C	45 000	190 000	663
P	TAPOCO INC	†CHEOAH	LITTLE TENNESSEE	N C	110 000	500 000	189
F	TENNESSEE VALLEY AUTH	FONTANA	LITTLE TENNESSEE	N C	202 600*	910 000	430
P	NANTAHALA PWR AND LT CO	BRYSON CITY	OCONALUFY	N C	980	6 600	35
P	NANTAHALA PWR AND LT CO	DILLSBORO	TUCKASEGEE	N C	225	1 400	12
P	NANTAHALA PWR AND LT CO	TUCKASEGEE	W FK TUCKASEGEE	N C	3 000	12 000	120
P	NANTAHALA PWR AND LT CO	THORPE	W FK TUCKASEGEE	N C	21 600	89 000	1207
P	NANTAHALA PWR AND LT CO	CEDAR CLIFF	E FK TUCKASEGEE	N C	6 375	24 000	173
P	NANTAHALA PWR AND LT CO	BEAR CREEK	E FK TUCKASEGEE	N C	9 000	32 000	232
P	NANTAHALA PWR AND LT CO	TENNESSEE CREEK	E FK TUCKASEGEE	N C	10 800	40 000	520
P	NANTAHALA PWR AND LT CO	QUEENS CREEK	NANTAHALA	N C	1 440	6 000	1001
P	NANTAHALA PWR AND LT CO	NANTAHALA	NANTAHALA	N C	43 200	230 000	1006
P	NANTAHALA PWR AND LT CO	FRANKLIN	LITTLE TENNESSEE	N C	1 040	7 600	26
M	HIGHLANDS TOWN OF	†HIGHLANDS	CULLASAJA CR	N C	250	1 200	-
F	TENNESSEE VALLEY AUTH	FORT LOUDOUN	TENNESSEE	TENN	128 240*	530 000	70
F	TENNESSEE VALLEY AUTH	DOUGLAS	FRENCH BROAD	TENN	112 160*	360 000	124
F	TENNESSEE VALLEY AUTH	NOLICHUCKY	NOLICHUCKY	TENN	10 640	40 000	68
P	CAROLINA POWER AND LT CO	†WALTERS	BIG PIGEON	N C	108 600*	310 000	861
M	FRENCH BROAD EL MEMB CORP	MARSHALL	FRENCH BROAD	N C	400	1 600	14
P	CAROLINA POWER AND LT CO	MARSHALL	FRENCH BROAD	N C	3 000	18 000	33
P	CAROLINA POWER AND LT CO	WEAVER	FRENCH BROAD	N C	2 500	9 000	23
P	CASCADE POWER CO	CASCADE	LITTLE	N C	600	4 300	-
F	TENNESSEE VALLEY AUTH	CHEROKEE	HOLSTON	TENN	120 160*	330 000	148
F	TENNESSEE VALLEY AUTH	WILBUR	WATAUGA	TENN	10 700	25 000	64
F	TENNESSEE VALLEY AUTH	WATAUGA	WATAUGA	TENN	50 000	120 000	325
F	TENNESSEE VALLEY AUTH	FT PATRICK HENRY	S FK HOLSTON	TENN	36 000	100 000	67
F	TENNESSEE VALLEY AUTH	BOONE	S FK HOLSTON	TENN	75 000	190 000	118
F	TENNESSEE VALLEY AUTH	SOUTH HOLSTON	S FK HOLSTON	TENN	35 000	120 000	253
P	APPALACHIAN ELEC PWR CO	HOLSTON	M FK HOLSTON	VA	550	2 300	34
					3 255 458	15 561 600	
CUMBERLAND							
F	CORPS OF ENGINEERS	CHEATHAM	CUMBERLAND	TENN	24 000	120 000	27
F	CORPS OF ENGINEERS	OLD HICKORY	CUMBERLAND	TENN	100 000	420 000	60
F	CORPS OF ENGINEERS	CENTER HILL	CANEY FORK	TENN	135 800*	350 000	162
F	TENNESSEE VALLEY AUTH	GREAT FALLS	CANEY FORK	TENN	31 860	150 000	147
F	CORPS OF ENGINEERS	DALE HOLLOW	OBEY	TENN	54 600*	130 000	139
F	CORPS OF ENGINEERS	WOLF CREEK	CUMBERLAND	KY	271 200*	870 000	163
					617 460	2 040 000	
WABASH							
P	PUBLIC SERVICE CO OF IND	NOBLESVILLE	W FK WHITE	IND	384	900	10
P	NORTHERN IND PUB SERV CO	OAKDALE	TIPPECANOE	IND	11 000	35 000	45
P	NORTHERN IND PUB SERV CO	NORWAY	TIPPECANOE	IND	6 720	25 000	31
					18 104	60 900	
OHIO MAIN STREAM							
P	LOUISVILLE GAS AND EL CO	†OHIO FALLS	OHIO	KY	80 320	390 000	33
					80 320	390 000	
KENTUCKY							
P	KENTUCKY UTILITIES CO	†LOCK NO 7	KENTUCKY	KY	2 040	11 000	15
P	KENTUCKY UTILITIES CO	DIX RIVER	DIX	KY	28 500	65 000	243
					30 540	76 000	
MIAMI							
I	BENDIX AVIATION CORP	HAMILTON	MIAMI	OHIO	2 250	12 000	26
I	SORG PAPER CO	MIDDLETOWN	MIAMI	OHIO	350	700	14
I	MAXWELL PAPER CO	FRANKLIN	MIAMI	OHIO	600	600	-
P	DAYTON POWER AND LIGHT CO	WEST MILTON	STILLWATER	OHIO	125	100	11
P	DAYTON POWER AND LIGHT CO	COVINGTON	STILLWATER	OHIO	450	1 200	27
					3 775	14 600	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	KANAWHA						
P	KANAWHA VALLEY POWER CO	†WINFIELD	KANAWHA	W VA	14 760	100 000	27
P	KANAWHA VALLEY POWER CO	†MARMET	KANAWHA	W VA	14 400	80 000	24
P	KANAWHA VALLEY POWER CO	†LONDON	KANAWHA	W VA	14 400	80 000	24
I	UNION CARBIDE CARBON CORP	GLEN FERRIS	KANAWHA	W VA	4 680	38 000	36
I	UNION CARBIDE CARBON CORP	ALLOY	NEW	W VA	102 000	570 000	164
M	RADFORD MUNICIPAL PWR	†RADFORD	LITTLE	VA	800	4 000	40
P	APPALACHIAN POWER CO	†CLAYTOR	NEW	VA	75 000	190 000	116
P	APPALACHIAN POWER CO	BUCK	NEW	VA	8 505	32 000	44
P	APPALACHIAN POWER CO	BYLLESBY NO 2	NEW	VA	21 600	48 000	58
I	WASHINGTON MILLS CO	FRIES	NEW	VA	3 050	16 000	40
I	FIELDS MFG CO	MOUTH OF WILSON	WILSON CR	VA	250	600	-
M	BLUE RIDGE EL MEMB CORP	SHARPE FALLS	NEW	N C	175	1 000	16
M	NEW RIVER LT AND POWER CO	HYDRO	NEW	N C	180	900	-
					259 800	1 160 500	
I	BEAVER						
	REPUBLIC STEEL CORP	BEAVER FALLS	BEAVER	PA	200	800	-
					200	800	
P	MONONGAHELA						
P	PENNSYLVANIA ELEC CO	DEEP CREEK	YOUGHIOGHENY	MD	19 200	28 000	437
P	WEST PENN POWER CO	LAKE LYNN	CHEAT	W VA	50 000	125 000	82
					69 200	153 000	
P	ALLEGHENY						
	PENNSYLVANIA ELEC CO	†PINEY	CLARION	PA	28 800	74 000	83
					28 800	74 000	
	<u>OHIO RIVER TOTAL</u>				<u>4 363 657</u>	<u>19 531 400</u>	
	<u>GREAT LAKES-ST LAWRENCE</u>						
	<u>ST LAWRENCE RIVER</u>						
	CLYDE						
P	CITIES UTILITIES CO	NEWPORT NO 11	CLYDE	VT	1 600	5 000	54
P	CITIZENS UTILITIES CO	NEWPORT NO 1 2 3	CLYDE	VT	3 600	11 000	140
P	CITIZENS UTILITIES CO	CHARLESTON	CLYDE	VT	800	2 600	57
M	BARTON VILLAGE ELEC DEPT	WEST CHARLESTON	CLYDE	VT	1 400	2 800	78
					7 400	21 400	
M	MISSISQUOI						
I	SWANTON VILLAGE OF	HIGHGATE FALLS	MISSISQUOI	VT	4 600	21 000	59
M	MISSISQUOI CORPORATION	SHELDON SPRINGS	MISSISQUOI	VT	1 750	7 000	79
M	ENOSBURG FALLS VILLAGE OF	VILLAGE	MISSISQUOI	VT	600	1 700	20
M	ENOSBURG FALLS VILLAGE OF	KENDALL	MISSISQUOI	VT	150	500	20
I	OWENS ILLINOIS PLYWOOD CO	NORTH TROY	MISSISQUOI	VT	175	400	60
P	CITIZENS UTILITIES CO	TROY	MISSISQUOI	VT	600	1 200	60
					7 875	31 800	
P	LAMOILLE						
P	CENTRAL VT PUB SERV CORP	PETERSON	LAMOILLE	VT	5 000	23 000	52
P	CENTRAL VT PUB SERV CORP	MILTON	LAMOILLE	VT	6 000	35 000	100
P	CENTRAL VT PUB SERV CORP	CLARKS FALLS	LAMOILLE	VT	3 000	13 000	41
P	CENTRAL VT PUB SERV CORP	FAIRFAX FALLS	LAMOILLE	VT	2 880	16 000	80
M	MORRISVILLE VILLAGE OF	CADYS FALLS NO 1	LAMOILLE	VT	1 300	3 500	40
M	MORRISVILLE VILLAGE OF	MORRISVILLE NO 2	LAMOILLE	VT	1 800	5 500	50
M	HARDWICK VILLAGE OF	HARDWICK	LAMOILLE	VT	1 150	3 300	54
					21 130	99 300	
I	WINOOSKI						
P	AMERICAN WOOLEN CO INC	CHAMPLAIN	WINOOSKI	VT	500	1 100	38
P	GREEN MOUNTAIN POWER CORP	GORGE NO 18	WINOOSKI	VT	3 000	15 000	34
P	GREEN MOUNTAIN POWER CORP	ESSEX NO 19	WINOOSKI	VT	4 800	29 000	65
P	GREEN MOUNTAIN POWER CORP	†WATERBURY NO 22	WATERBURY	VT	5 520	14 000	148
P	GREEN MOUNTAIN POWER CORP	MIDDLESEX NO 2	WINOOSKI	VT	3 200	15 000	52
P	GREEN MOUNTAIN POWER CORP	MONTPELIER NO 4	WINOOSKI	VT	600	1 900	60
P	GREEN MOUNTAIN POWER CORP	MARSHFIELD NO 6	MOLLYS BROOK	VT	5 000	8 200	378
					22 620	84 200	
P	OTTER CREEK						
P	GREEN MOUNTAIN POWER CORP	VERGENNES NO 9	OTTER CR	VT	1 400	5 900	38
P	GREEN MOUNTAIN POWER CORP	VERGENES NO 9A	OTTER CR	VT	160	200	30
P	GREEN MOUNTAIN POWER CORP	VERGENES NO 9B	OTTER CR	VT	1 000	3 200	35
P	CENTRAL VT PUB SERV CORP	WEYBRIDGE	OTTER CR	VT	3 000	2 400	31
I	VERMONT MARBLE CO	HUNTINGTON FALLS	OTTER CR	VT	1 200	10 000	39
I	VERMONT MARBLE CO	BELDENS	OTTER CR	VT	1 200	9 600	41
P	CENTRAL VT PUB SERV CORP	LOWER MIDDLEBURY	OTTER CR	VT	2 250	9 100	28
P	CENTRAL VT PUB SERV CORP	UPPER MIDDLEBURY	OTTER CR	VT	180	900	21

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	OTTER CREEK CONTD.						
P	CENTRAL VT PUB SERV CORP	EAST MIDDLEBURY	OTTER CR	VT	160	1 100	20
P	CENTRAL VT PUB SERV CORP	SALISBURY	LEICESTER	VT	1 300	3 700	160
P	CENTRAL VT PUB SERV CORP	SILVER LAKE	SILVER LAKE	VT	2 200	6 400	676
I	VERMONT MARBLE CO	PROCTOR	OTTER CR	VT	3 930	15 000	120
I	VERMONT MARBLE CO	CENTER RUTLAND	OTTER CR	VT	275	500	27
P	CENTRAL VT PUB SERV CORP	PATCH	EAST CR	VT	400	1 000	30
P	CENTRAL VT PUB SERV CORP	GLEN	EAST CR	VT	2 000	5 600	173
P	CENTRAL VT PUB SERV CORP	PITTSFORD	EAST CR	VT	3 600	8 000	481
					24 255	82 600	
P	POULTNEY						
P	CENTRAL VT PUB SERV CORP	CARVERS FALLS	POULTNEY	N Y	1 560	8 300	112
P	NIAGARA MOHAWK PWR CORP	ASHLEY	HALFWAY CR	N Y	680	2 100	68
	CENTRAL VT PUB SERV CORP	HYDEVILLE	CASTLETON CR	VT	270	600	40
					2 510	11 000	
I	TICONDEROGA						
P	INTERNATIONAL PAPER CO	TICONDEROGA NO 3	TICONDEROGA CR	N Y	3 440	18 000	134
	NIAGARA MOHAWK PWR CORP	PORT HENRY	MILL BROOK	N Y	1 800	5 600	380
					5 240	23 600	
P	BOUQUET						
	GORDON H BIGELOW CO	WADHAMS NO 1	BOUQUET	N Y	464	1 200	48
					464	1 200	
P	AUSABLE						
I	NEW YORK ST EL AND G CORP	RAINBOW FALLS	AUSABLE	N Y	2 640	15 000	92
I	PRESCOTT R AND SONS	KEESEVILLE	AUSABLE	N Y	180	500	13
	ROGERS J AND J CO	AU SABLE FORKS	W BR AUSABLE	N Y	1 250	4 700	92
					4 070	20 200	
M	SARANAC						
P	LAKE PLACID VILLAGE OF	LAKE PLACID	CHUBB	N Y	332	900	35
I	PAUL SMITHS EL L AND P CO	LAKE PLACID	CHUBB	N Y	300	400	17
I	IMPERIAL PAPER COLOR CORP	PLATTSBURG	SARANAC	N Y	600	2 600	22
I	VANITY FAIR PAPER MILLS	PLANT NO 1	SARANAC	N Y	2 400	10 000	43
I	VANITY FAIR PAPER MILLS	PLANT NO 2	SARANAC	N Y	1 080	5 000	27
P	NEW YORK ST EL AND G CORP	KENTS FALLS	SARANAC	N Y	6 400	40 000	162
P	NEW YORK ST EL AND G CORP	MILL C	SARANAC	N Y	2 250	12 000	65
P	NEW YORK ST EL AND G CORP	CADYVILLE	SARANAC	N Y	2 400	15 000	77
P	NEW YORK ST EL AND G CORP	HIGH FALLS	SARANAC	N Y	14 100	78 000	268
P	PAUL SMITHS EL L AND P CO	UNION FALLS	SARANAC	N Y	2 400	8 600	61
P	PAUL SMITHS EL L AND P CO	FRANKLIN FALLS	SARANAC	N Y	2 265	6 200	57
					34 527	178 700	
I	GREAT CHAZY						
	THE WM H MINER FOUNDATION	LASSEL & MCGREGO	GREAT CHAZY	N Y	3 600	12 000	80
					3 600	12 000	
P	CHATEAUGAY						
	NEW YORK ST EL AND G CORP	CHATEAUGAY	CHATEAUGAY	N Y	720	5 200	88
					720	5 200	
P	SALMON						
P	NIAGARA MOHAWK PWR CORP	MACOMB	SALMON	N Y	1 000	6 800	53
P	NIAGARA MOHAWK PWR CORP	WHITTLESEY	SALMON	N Y	360	2 400	23
P	NIAGARA MOHAWK PWR CORP	CHASM FALLS	SALMON	N Y	3 350	24 000	266
					4 710	33 200	
P	ST REGIS						
P	NIAGARA MOHAWK PWR CORP	HOGANSBURG	ST REGIS	N Y	700	3 100	11
P	PAUL SMITHS EL L AND P CO	KEESES MILL	ST REGIS	N Y	125	200	11
P	NIAGARA MOHAWK PWR CORP	ALLENS FALLS	W BR ST REGIS	N Y	4 400	27 000	218
P	NIAGARA MOHAWK PWR CORP	PARISHVILLE	W BR ST REGIS	N Y	2 400	15 000	144
					7 625	45 300	
P	RAQUETTE						
P	NIAGARA MOHAWK PWR CORP	RAYMONDVILLE	RAQUETTE	N Y	2 000	13 000	19
P	NIAGARA MOHAWK PWR CORP	NORFOLK	RAQUETTE	N Y	4 500	26 000	41
P	NIAGARA MOHAWK PWR CORP	EAST NORFOLK	RAQUETTE	N Y	3 000	19 000	31
P	NIAGARA MOHAWK PWR CORP	YALEVILLE	RAQUETTE	N Y	725	3 800	12
P	NIAGARA MOHAWK PWR CORP	NORWOOD	RAQUETTE	N Y	2 000	13 000	21
I	NEKOOSA EDWARDS PAPER CO	UNIONVILLE	RAQUETTE	N Y	1 380	8 900	17
I	NEKOOSA EDWARDS PAPER CO	HEWITTVILLE	RAQUETTE	N Y	1 670	8 400	13
M	POTSDAM MUN ELECTRIC PLT	POTSDAM	RAQUETTE	N Y	150	1 200	9
P	NIAGARA MOHAWK PWR CORP	SUGAR ISLAND	RAQUETTE	N Y	4 800	30 000	63
P	NIAGARA MOHAWK PWR CORP	HANNAWA	RAQUETTE	N Y	7 300*	49 000	78
P	NIAGARA MOHAWK PWR CORP	COLTON	RAQUETTE	N Y	29 520	190 000	283
P	NIAGARA MOHAWK PWR CORP	HIGLEY FALLS	RAQUETTE	N Y	4 480	28 000	44
P	NIAGARA MOHAWK PWR CORP	†SOUTH COLTON	RAQUETTE	N Y	19 350	79 000	85

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	RAQUETTE CONTD						
P	NIAGARA MOHAWK PWR CORP	†FIVE FALLS	RAQUETTE	N Y	22 500	95 000	104
P	NIAGARA MOHAWK PWR CORP	†RAINBOW FALLS	RAQUETTE	N Y	22 500	82 000	102
P	NIAGARA MOHAWK PWR CORP	†BLAKE FALLS	RAQUETTE	N Y	14 400	60 000	68
P	NIAGARA MOHAWK PWR CORP	†STARK	RAQUETTE	N Y	22 500	90 000	105
P	PAUL SMITHS EL L AND P CO	PIERCEFIELD	RAQUETTE	N Y	2 400	14 000	35
					165 175	810 300	
P	GRASS						
P	DEXTER HYDRO ELEC CORP	PYRITES	GRASS	N Y	1 200	9 000	75
					1 200	9 000	
M	ST LAWRENCE MAIN STREAM PWR AUTH STATE OF N Y	†ROBERT MOSES	ST LAWRENCE	N Y	912 000	6 500 000	88
					912 000	6 500 000	
	OSWEGATCHIE						
P	NIAGARA MOHAWK PWR CORP	EEL WEIR	OSWEGATCHIE	N Y	2 700	12 000	12
P	NIAGARA MOHAWK PWR CORP	THERESA	INDIAN	N Y	1 615	7 400	66
M	THERESA MUNICIPAL LT COMM	THERESA	INDIAN	N Y	130	500	15
M	PHILADELPHIA MUN ELEC SYS	PHILADELPHIA	INDIAN	N Y	128	600	20
P	NIAGARA MOHAWK PWR CORP	PHILADELPHIA	INDIAN	N Y	500	3 100	55
P	NIAGARA MOHAWK PWR CORP	HEUVELTON	OSWEGATCHIE	N Y	1 040	5 200	15
I	RUSHMORE PAPER MILLS INC	NATURAL DAM	OSWEGATCHIE	N Y	1 020	3 500	20
M	GOUVERNEUR VILLAGE OF	GOUVERNEUR	OSWEGATCHIE	N Y	160	900	7
P	OSWEGATCHIE LT AND PWR CO	HAILESBO RO 4	OSWEGATCHIE	N Y	1 320	7 200	30
P	OSWEGATCHIE LT AND PWR CO	FOWLER	OSWEGATCHIE	N Y	900	5 000	15
I	HAMPshire PAPER CO INC	EMERYVILLE	OSWEGATCHIE	N Y	1 320	8 000	32
P	NIAGARA MOHAWK PWR CORP	OSWEGATCHIE	E BR OSWEGATCHIE	N Y	800	6 000	10
P	NIAGARA MOHAWK PWR CORP	SO EDWARDS NO 2	OSWEGATCHIE	N Y	2 680	20 000	82
P	NIAGARA MOHAWK PWR CORP	FLAT ROCK	E BR OSWEGATCHIE	N Y	6 000	18 000	57
P	NIAGARA MOHAWK PWR CORP	BROWNS FALLS	E BR OSWEGATCHIE	N Y	15 000	53 000	267
I	NEWTON FALLS PAPER MILL	NEWTON FALLS	OSWEGATCHIE	N Y	2 230	12 000	46
I	ST REGIS PAPER CO	HARRISVILLE	W BR OSWEGATCHIE	N Y	520	1 700	36
					38 063	164 100	
	ST LAWRENCE RIVER TOTAL				1 263 184	8 133 100	
	LAKE ONTARIO						
	BLACK						
P	DEXTER HYDRO ELEC CORP	DEXTER	BLACK	N Y	1 740	7 000	-
P	BEEBE ISLAND NIAG MOHAWK	BEEBE ISLAND	BLACK	N Y	8 000	38 000	31
P	NIAGARA MOHAWK PWR CORP	SEWALLS ISLAND	BLACK	N Y	2 000	12 000	17
P	NIAGARA MOHAWK PWR CORP	DIAMOND ISLAND	BLACK	N Y	1 200	9 100	10
I	BLACK CLAWSON CO	WATERTOWN	BLACK	N Y	1 038	6 000	-
M	WATERTOWN MUN ELEC DEPT	WATERTOWN	BLACK	N Y	5 400	33 000	27
P	NIAGARA MOHAWK PWR CORP	BLACK RIVER	BLACK	N Y	6 000	45 000	32
P	NIAGARA MOHAWK PWR CORP	KAMARGO	BLACK	N Y	5 400	29 000	23
P	NIAGARA MOHAWK PWR CORP	DEFERRET	BLACK	N Y	10 800	68 000	44
P	NIAGARA MOHAWK PWR CORP	HERRINGS	BLACK	N Y	5 400	26 000	19
I	CROWN ZELLERBACH CORP	CARTHAGE	BLACK	N Y	1 120	2 900	30
I	ST REGIS PAPER CO	CARTHAGE	BLACK	N Y	525	2 900	17
I	CARTHAGE PAPER MAKERS INC	CARTHAGE	BLACK	N Y	800	5 400	8
I	J P LEWIS CO	BEAVER FALLS	BEAVER	N Y	1 500	9 700	30
P	BEAVER RIVER PWR CO	HIGH FALLS	BEAVER	N Y	4 800	34 000	95
P	NIAGARA MOHAWK PWR CORP	BELFORT	BEAVER	N Y	1 800	13 000	48
P	NIAGARA MOHAWK PWR CORP	TAYLORVILLE	BEAVER	N Y	4 500	25 000	103
P	NIAGARA MOHAWK PWR CORP	ELMER FALLS	BEAVER	N Y	1 500	9 700	38
P	NIAGARA MOHAWK PWR CORP	EFFLEY FALLS	BEAVER	N Y	2 990*	15 000	53
P	NIAGARA MOHAWK PWR CORP	SOFT MAPLE	BEAVER	N Y	15 000	35 000	124
P	NIAGARA MOHAWK PWR CORP	EAGLE FALLS	BEAVER	N Y	6 050	32 000	137
P	NIAGARA MOHAWK PWR CORP	MOSHIER FALLS	BEAVER	N Y	8 000	41 000	211
I	GOULD PAPER CO	MILL NO 3	MOOSE	N Y	4 700	23 000	30
M	BOONVILLE BD OF LT COMM	DENLEY	BLACK	N Y	480	3 300	22
					100 743	525 000	
	SALMON						
P	NIAGARA MOHAWK PWR CORP	LIGHTHOUSE HILL	SALMON	N Y	7 500	23 000	64
P	NIAGARA MOHAWK PWR CORP	BENNETTS BRIDGE	SALMON	N Y	23 950	80 000	284
					31 450	103 000	
	OSWEGO						
P	NIAGARA MOHAWK PWR CORP	VARICK	OSWEGO	N Y	8 800	44 000	17
P	NIAGARA MOHAWK PWR CORP	HIGH DAM NO 6	OSWEGO	N Y	7 600	50 000	19
P	NIAGARA MOHAWK PWR CORP	MINETTO	OSWEGO	N Y	8 000	40 000	17
P	NIAGARA MOHAWK PWR CORP	GRANBY	OSWEGO	N Y	4 682	27 000	24
P	NIAGARA MOHAWK PWR CORP	RIVERSIDE	OSWEGO	N Y	800	5 300	23
P	NIAGARA MOHAWK PWR CORP	FULTON	OSWEGO	N Y	1 250	7 200	17
I	DILTS MACHINE WORKS	FULTON	OSWEGO	N Y	120	80	24

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
I	OSWEGO CONTD						
I	SEALRIGHT OSWEGO CORP	OSWEGO FALLS	OSWEGO	N Y	9 150	39 000	18
P	SWEET PAPER SALES CORP	PHOENIX	OSWEGO	N Y	440	3 000	9
I	NIAGARA MOHAWK PWR CORP	BALDWINVILLE	SENECA	N Y	640	3 700	8
I	DUNN AND MCCARTHY INC	WOOLEN MILL	OWASCO	N Y	800	2 600	21
I	DUNN AND MCCARTHY INC	AUBURN	OWASCO	N Y	700	2 300	21
I	SHOE FORM CO INC	AUBURN	OWASCO	N Y	600	600	16
I	DUNN AND MCCARTHY INC	SHANK PLANT	OWASCO	N Y	300	800	21
P	CORNELL UNIVERSITY	PWR 1	FALL CR	N Y	660	5 300	143
P	NEW YORK ST EL AND G CORP	SENECA FALLS	SENECA	N Y	8 000	12 000	50
P	NEW YORK ST EL AND G CORP	WATERLOO	SENECA CANAL	N Y	1 920	3 600	17
P	NEW YORK ST EL AND G CORP	KEUKA LAKE NO 1	KEUKA LAKE	N Y	2 000	6 400	380
					56 462	252 880	
P	GENESEE						
P	ROCHESTER GAS AND EL CORP	ROCHESTER NO 5	GENESEE	N Y	38 250	140 000	137
P	ROCHESTER GAS AND EL CORP	ROCHESTER NO 2	GENESEE	N Y	4 500	30 000	90
P	ROCHESTER GAS AND EL CORP	ROCHESTER NO 26	GENESEE	N Y	3 000	16 000	13
P	ROCHESTER GAS AND EL CORP	MT MORRIS NO 160	GENESEE	N Y	340	2 900	20
P	ROCHESTER GAS AND EL CORP	WISCOY NO 170	WISCOY CR	N Y	1 080	4 900	104
P	ROCHESTER GAS AND EL CORP	MILLS NO 172	WISCOY CR	N Y	220	900	58
					47 390	194 700	
P	OAK ORCHARD CREEK						
P	NIAGARA MOHAWK PWR CORP	WATERPORT	OAK ORCHARD CR	N Y	4 650	13 000	78
P	NIAGARA MOHAWK PWR CORP	GLENWOOD	OAK ORCHARD CR	N Y	1 500	9 400	62
P	NIAGARA MOHAWK PWR CORP	CANAL	OAK ORCHARD CR	N Y	300	1 800	28
P	NIAGARA MOHAWK PWR CORP	OAK ORCHARD	OAK ORCHARD CR	N Y	350	2 100	27
					6 800	26 300	
P	EIGHTEEN MILE CREEK						
P	NIAGARA MOHAWK PWR CORP	BURT	18 MILE CR	N Y	1 000	2 300	47
					1 000	2 300	
P	NIAGARA						
P	NIAGARA MOHAWK PWR CORP	†E D ADAMS	NIAGARA	N Y	80 000	680 000	138
P	NIAGARA MOHAWK PWR CORP	†SCHOELLKOPF	NIAGARA	N Y	89 500	790 000	212
P	NIAGARA MOHAWK PWR CORP	HYDRAULIC RACE	BARGE CANAL	N Y	4 687	24 000	50
					174 187	1 494 000	
	<u>LAKE ONTARIO TOTAL</u>				<u>418 032</u>	<u>2 598 180</u>	
	<u>LAKE ERIE</u>						
P	CATTARAUGUS CREEK						
P	SPRINGVILLE EL LT PWR CO	SPRINGVILLE	CATTARAUGUS CR	N Y	500	2 000	-
					500	2 000	
I	CUYAHOGA						
I	VAUGHN MACHINE CO	CUYAHOGA FALLS	CUYAHOGA	OHIO	149	400	11
					149	400	
P	SANDUSKY						
P	THE OHIO POWER CO	BALLVILLE	SANDUSKY	OHIO	3 000	5 000	40
					3 000	5 000	
P	MAUMEE						
M	THE TOLEDO EDISON CO	DEFIANCE	AUGLAIZE	OHIO	5 000	8 800	24
M	FORT WAYNE LT AND PWR WKS	MAUMEE DAM	MAUMEE	IND	250	100	10
M	FORT WAYNE LT AND PWR WKS	ST JOE DAM	ST JOE	IND	175	800	10
					5 425	9 700	
P	RAISIN						
P	HAYDEN FUEL AND SUPPLY CO	TECUMSEH	RAISIN	MICH	250	1 300	21
I	ALLIED PRODUCTS	MANCHESTER	RAISIN	MICH	140	700	-
					390	2 000	
P	HURON						
I	THE DETROIT EDISON CO	FRENCH LANDING	HURON	MICH	3 000	6 600	32
I	FORD MOTOR CO	YPSILANTI	HURON	MICH	1 875	8 500	33
I	PENINSULAR PAPER CO	YPSILANTI	HURON	MICH	1 400	3 300	13
P	THE DETROIT EDISON CO	SUPERIOR	HURON	MICH	1 325	4 000	16
P	THE DETROIT EDISON CO	GEDDES	HURON	MICH	1 000	3 800	16
P	THE DETROIT EDISON CO	ARGO	HURON	MICH	1 025	3 100	15
P	THE DETROIT EDISON CO	BARTON	HURON	MICH	1 500	6 500	26
I	JIM ROBBINS CO	MILFORD	HURON	MICH	290	1 100	-
					11 415	36 900	
	<u>LAKE ERIE TOTAL</u>				<u>20 879</u>	<u>56 000</u>	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS I/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
<u>LAKE HURON</u>							
M	SAGINAW						
I	ST LOUIS CITY OF	ST LOUIS	PINE	MICH	360	700	10
P	HARRIS MILLING CO	MT PLEASANT	CHIPPEWA	MICH	150	500	13
P	WOLVERINE POWER CO	SANFORD	TITTABAWASSEE	MICH	4 000	8 000	28
P	WOLVERINE POWER CO	EDENVILLE	TITTABAWASSEE	MICH	6 000	12 000	43
P	CONSUMERS POWER CO	CHAPPEL	TOBACCO	MICH	430	1 200	28
P	CONSUMERS POWER CO	BEAVERTOWN	TOBACCO	MICH	970	2 800	20
P	WOLVERINE POWER CO	SMALLWOOD	TITTABAWASSEE	MICH	1 500	2 600	26
P	WOLVERINE POWER CO	SECORDS	TITTABAWASSEE	MICH	1 500	3 000	48
					46 162	204 380	
<u>AU SABLE</u>							
P	CONSUMERS POWER CO	FOOTE	AU SABLE	MICH	9 000	29 000	39
P	CONSUMERS POWER CO	COOKE	AU SABLE	MICH	9 000	26 000	39
P	CONSUMERS POWER CO	FIVE CHANNELS	AU SABLE	MICH	6 000	25 000	36
P	CONSUMERS POWER CO	LOUD	AU SABLE	MICH	4 000	18 000	27
P	CONSUMERS POWER CO	ALCONA	AU SABLE	MICH	8 000	26 000	39
P	CONSUMERS POWER CO	MIO	AU SABLE	MICH	5 000	15 000	29
					41 000	139 000	
<u>THUNDER BAY</u>							
P	ALPENA POWER CO	NINTH ST	THUNDER BAY	MICH	1 200	4 400	18
P	ALPENA POWER CO	FOUR MILE D	THUNDER BAY	MICH	1 800	7 200	26
P	ALPENA POWER CO	NORWAY PT	THUNDER BAY	MICH	4 000	10 000	37
P	ALPENA POWER CO	HILLMAN	THUNDER BAY	MICH	225	100	-
					7 225	21 700	
<u>CHEBOYGAN</u>							
P	CONSUMERS POWER CO	CHEBOYGAN	CHEBOYGAN	MICH	1 800	6 400	14
M	CONSUMERS POWER CO	ALVERNO	BLACK	MICH	800	2 800	19
M	NORTHERN MICHIGAN EL COOP	KLEBER	BLACK	MICH	1 200	4 000	44
M	NORTHERN MICHIGAN EL COOP	TOWER HYDRO	BLACK	MICH	560	2 100	21
					4 360	15 300	
<u>ST MARYS</u>							
P	CARBIDE POWER CO	CARBIDE	ST MARYS	MICH	42 240	270 000	21
F	CORPS OF ENGINEERS	ST MARYS FALLS	ST MARYS	MICH	18 400	160 000	22
					60 640	430 000	
<u>LAKE HURON TOTAL</u>					<u>128 135</u>	<u>636 800</u>	
<u>LAKE MICHIGAN</u>							
<u>CEDAR-BOYNE-RAPID</u>							
P	CONSUMERS POWER CO	ELK RAPIDS	ELK	MICH	1 050	2 200	11
P	CONSUMERS POWER CO	BOYNE RIVER	BOYNE	MICH	500	1 300	32
M	PETOSKEY CITY OF	MITCHELL	BEAR	MICH	500	1 000	28
M	PETOSKEY CITY OF	UPPER	BEAR	MICH	250	700	21
M	CHARLEVOIX CITY OF	BELLAIRE	CEDAR	MICH	300	1 400	-
					2 600	6 600	
<u>BOARDMAN</u>							
P	CONSUMERS POWER CO	SABIN	BOARDMAN	MICH	1 000	2 900	19
P	CONSUMERS POWER CO	BOARDMAN NO 3	BOARDMAN	MICH	2 200	6 000	41
M	TRAVERSE CITY L P DEPT	KEYSTONE	BOARDMAN	MICH	480	2 300	22
M	TRAVERSE CITY L P DEPT	BROWN BRIDGE	BOARDMAN	MICH	650	2 300	-
					4 330	13 500	
<u>BETSIE</u>							
P	CONSUMERS POWER CO	HOMESTEAD	BETSIE	MICH	600	3 000	26
					600	3 000	
<u>MANISTEE</u>							
P	CONSUMERS POWER CO	C W TIPPY	MANISTEE	MICH	20 000	57 000	56
P	CONSUMERS POWER CO	HODENPYL	MANISTEE	MICH	18 000	42 000	68
					38 000	99 000	
<u>PENTWATER</u>							
M	HART HYDRO ELEC SYSTEM	HART	PENTWATER	MICH	250	1 000	-
					250	1 000	
<u>MUSKEGON</u>							
P	CONSUMERS POWER CO	NEWAYGO	MUSKEGON	MICH	1 880	11 000	18
P	CONSUMERS POWER CO	CROTON	MUSKEGON	MICH	9 000	37 000	41
P	CONSUMERS POWER CO	HARDY	MUSKEGON	MICH	30 000	85 000	100
P	CONSUMERS POWER CO	ROGERS	MUSKEGON	MICH	6 750	26 000	40
P	CONSUMERS POWER CO	BIG RAPIDS	MUSKEGON	MICH	400	1 800	16
P	CENTRAL PLANT CO	BIG RAPIDS CENTR	MUSKEGON	MICH	400	3 300	16
					48 430	164 100	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	GRAND						
P	CONSUMERS POWER CO	ADA	THORNAPPLE	MICH	2 000	6 700	20
P	CONSUMERS POWER CO	CASCADE	THORNAPPLE	MICH	2 560	8 000	28
P	CONSUMERS POWER CO	LABARGE	THORNAPPLE	MICH	700	3 400	19
P	MIDSTATE SERVICE CO	MIDDLEVILLE	THORNAPPLE	MICH	350	1 500	-
P	MIDSTATE SERVICE CO	IRVING	THORNAPPLE	MICH	600	2 300	-
M	LOWELL VILLAGE OF	LOWELL	FLAT	MICH	795	2 700	18
P	CONSUMERS POWER CO	LOWELL	FLAT	MICH	900	5 100	34
P	CONSUMERS POWER CO	BELDING	FLAT	MICH	400	1 400	10
P	CONSUMERS POWER CO	WEBBER	GRAND	MICH	3 250	9 100	26
M	PORTLAND ELECTRIC DEPT	PORTLAND	GRAND	MICH	375	2 400	20
M	LANSING WTR AND LT COMM	NORTH LANSING	GRAND	MICH	200	1 100	9
M	LANSING WTR AND LT COMM	MOORES PARK	GRAND	MICH	1 000	2 600	15
I	MILLER DAIRY FARM	EATON RAPIDS	SPRING CR	MICH	450	1 500	-
					13 580	47 800	
	KALAMAZOO						
M	ALLEGAN CITY OF	†ALLEGAN CITY	KALAMAZOO	MICH	2 550	7 000	15
P	CONSUMERS POWER CO	ALLEGAN	KALAMAZOO	MICH	650	4 000	12
P	CONSUMERS POWER CO	TROWBRIDGE	KALAMAZOO	MICH	1 500	9 500	22
P	CONSUMERS POWER CO	OTSEGO	KALAMAZOO	MICH	1 700	7 900	14
P	CONSUMERS POWER CO	PLAINWELL NO 1	KALAMAZOO	MICH	900	5 400	13
I	HAMILTON PAPER CO MICH	PLAINWELL	KALAMAZOO	MICH	200	700	10
M	MARSHALL CITY OF	MARSHALL	KALAMAZOO	MICH	463	1 500	15
					7 963	36 000	
	ST JOSEPH						
I	WATERVLIET PAPER CO	WATERVLIET	PAW PAW	MICH	300	1 300	11
M	PAW PAW VILLAGE OF	PAW PAW	W BR PAW PAW	MICH	250	800	-
P	INDIANA AND MICH ELEC CO	BERRIEN SPRINGS	ST JOSEPH	MICH	7 200	31 000	20
P	INDIANA AND MICH ELEC CO	BUCHANAN	ST JOSEPH	MICH	4 104	16 000	13
M	NILES CITY OF	NILES	DOWAGIAC CR	MICH	460	3 300	21
I	FRENCH PAPER CO	NILES	ST JOSEPH	MICH	1 300	5 500	14
P	INDIANA AND MICH ELEC CO	SOUTH BEND	ST JOSEPH	IND	1 500	3 600	10
P	INDIANA AND MICH ELEC CO	TWIN BRANCH	ST JOSEPH	IND	7 260	22 000	24
P	INDIANA AND MICH ELEC CO	ELKHART	ST JOSEPH	IND	3 440	16 000	19
P	NORTHERN IND PUB SERV CO	GOSHEN	ELKHART	IND	600	2 300	15
P	NORTHERN IND PUB SERV CO	BAINERTOWN	ELKHART	IND	240	800	9
P	NORTHERN IND PUB SERV CO	BENTON	ELKHART	IND	320	1 200	19
P	NORTHERN IND PUB SERV CO	MONGO	PIGEON	IND	125	500	13
P	MICHIGAN GAS AND EL CO	†MOTTVILLE	ST JOSEPH	MICH	1 680	7 100	11
P	MICHIGAN GAS AND EL CO	CONSTANTINE	ST JOSEPH	MICH	1 200	5 500	11
P	STAR MILLING AND ELEC CO	STAR MILL	FAWN	IND	250	700	13
M	THREE RIVERS CITY OF	THREE RIVERS	ROCKY	MICH	200	700	13
P	MICHIGAN GAS AND EL CO	PORTAGE	PORTAGE	MICH	168	700	9
I	FAIRBANKS MORSE AND CO	THREE RIVERS	ROCKY	MICH	900	1 800	12
M	STURGIS CITY OF	STURGIS	ST JOSEPH	MICH	1 155	4 100	26
M	UNION CITY VILLAGE OF	RILEY	ST JOSEPH	MICH	418	1 300	15
					33 070	126 200	
	FOX						
I	NICOLET PAPER CORP	WEST DE PERE	FOX	WIS	900	6 400	8
M	KAUKAUNA ELEC WTR DEPT	RAPID CROCHE	FOX	WIS	2 400	13 000	8
M	KAUKAUNA ELEC WTR DEPT	†KAUKAUNA	FOX	WIS	4 800	36 000	23
M	KAUKAUNA ELEC WTR DEPT	BADGER	FOX	WIS	5 600	35 000	22
I	COMBINED LOCKS PAPER CO	COMBINED LOCKS	FOX	WIS	1 975	8 000	21
M	KAUKAUNA ELEC WTR DEPT	LITTLE CHUTE	FOX	WIS	3 300	19 000	12
I	KIMBERLY CLARK CORP	KIMBERLY	FOX	WIS	2 700	13 000	8
I	CONSOLID WTR PWR PAPER CO	APPLETON	FOX	WIS	480	2 600	8
I	FOX RIVER PAPER CORP	APPLETON	FOX	WIS	1 315	7 000	11
I	APPLETON WOOLEN MILLS	APPLETON	FOX	WIS	100	650	10
I	KIMBERLY CLARK CORP	ATLAS MILL	FOX	WIS	1 650	8 900	15
P	WISCONSIN MICHIGAN PWR CO	APPLETON	FOX	WIS	1 440	9 800	16
I	WESTERN CONDENSING CO	APPLETON	FOX	WIS	132	850	15
I	WHITING GEORGE A PAPER CO	MENASHA	FOX	WIS	250	300	8
I	BERGSTROM PAPER CO	NEENAH	FOX	WIS	400	1 100	9
P	WISCONSIN MICHIGAN PWR CO	WEYAUWEGA	WAUPACA	WIS	400	900	13
P	WISCONSIN POWER AND LT CO	MANAWA	LITTLE WOLF	WIS	264	800	12
P	WISCONSIN POWER AND LT CO	BIG FALLS	LITTLE WOLF	WIS	320	1 300	30
P	WISCONSIN POWER AND LT CO	HAYMAN FALLS	EMBARRASS	WIS	448	1 500	33
M	GRESHAM WTR PWR AND EL PL	GRESHAM	RED	WIS	275	700	32
I	SHAWANO PAPER MILLS	SHAWANO	WOLF	WIS	256	1 400	10
P	WISCONSIN POWER AND LT CO	†SHAWANO	WOLF	WIS	700	3 400	18
P	WISCONSIN POWER AND LT CO	PRINCETON	MECAN	WIS	108	700	20
P	WISCONSIN POWER AND LT CO	NESHKORO	WHITE	WIS	150	600	12
P	WHITE RIVER POWER CO	NESHKORO	WHITE	WIS	265	1 000	12
P	MILLER EVA	HARRISVILLE	MONTELLO	WIS	187	600	-
I	MONTELLO GRANITE CO	MONTELLO	MONTELLO LAKE	WIS	379	500	14
M	OXFORD LT AND PWR CO	OXFORD	NEENAH	WIS	125	200	-
P	WESTFIELD MILL EL LT CO	WESTFIELD	DUCK CR	WIS	125	-	-
					31 444	175 200	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS I/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
M	OCONTO						
I	OCONTO ELECTRIC COOP	†STILES	OCONTO	WIS	1 000	4 000	20
P	FALLS PAPER AND POWER CO	OCONTO FALLS	OCONTO	WIS	1 010	2 000	39
	WISCONSIN MICHIGAN PWR CO	OCONTO FALLS	OCONTO	WIS	1 440	5 900	28
					3 450	11 900	
P	PESHTIGO						
P	WISCONSIN PUB SERV CORP	PESHTIGO	PESHTIGO	WIS	584	3 200	14
P	WISCONSIN PUB SERV CORP	POTATO RAPIDS	PESHTIGO	WIS	1 380	4 800	17
P	WISCONSIN PUB SERV CORP	SANDSTONE	PESHTIGO	WIS	3 840	15 000	40
P	WISCONSIN PUB SERV CORP	JOHNSON FALLS	PESHTIGO	WIS	3 520	14 000	37
P	WISCONSIN PUB SERV CORP	HIGH FALLS	PESHTIGO	WIS	7 000	18 000	85
P	WISCONSIN PUB SERV CORP	CALDRON FALLS	PESHTIGO	WIS	6 400	20 000	80
					22 724	75 000	
I	MENOMINEE						
I	MARINETTE PAPER CO	MENOMINEE	MENOMINEE	MICH	1 200	8 700	12
P	MARINETTE PAPER CO	MARINETTE	MENOMINEE	WIS	600	5 700	15
P	WISCONSIN PUB SERV CORP	GRAND RAPIDS	MENOMINEE	MICH	7 020	36 000	28
I	MENOMINEE INDIAN MILLS	NEOPIT	MENOMINEE	WIS	108	400	-
P	WISCONSIN MICHIGAN PWR CO	WHITE RAPIDS	MENOMINEE	MICH	8 000	36 000	29
P	WISCONSIN MICHIGAN PWR CO	CHALK HILL	MENOMINEE	MICH	7 800	33 000	29
M	NORWAY CITY OF	STURGEON FALLS	MENOMINEE	MICH	3 500	22 000	26
P	WISCONSIN MICHIGAN PWR CO	STURGEON RIVER	STURGEON	MICH	800	4 000	66
P	WISCONSIN MICHIGAN PWR CO	†BIG QUINNESEC	MENOMINEE	MICH	16 000	100 000	92
P	WISCONSIN MICHIGAN PWR CO	†QUINNESEC FALLS	MENOMINEE	MICH	3 530	36 000	62
P	WISCONSIN MICHIGAN PWR CO	†KINGSFORD	MENOMINEE	MICH	7 200	32 000	28
P	WISCONSIN MICHIGAN PWR CO	PINE RIVER	PINE	WIS	3 200	19 000	94
P	WISCONSIN MICHIGAN PWR CO	†TWIN FALLS	MENOMINEE	MICH	5 740	31 000	44
I	KIMBERLY CLARK CORP	NIAGARA WIS	MENOMINEE	WIS	5 335	35 000	67
P	WISCONSIN MICHIGAN PWR CO	†MICHIGAMME FALLS	MICHIGAMME	MICH	9 600	42 000	60
P	WISCONSIN MICHIGAN PWR CO	†PEAVY FALLS	MICHIGAMME	MICH	15 000	67 000	95
P	WISCONSIN MICHIGAN PWR CO	†HEMLOCK FALLS	MICHIGAMME	MICH	2 800	9 000	34
P	WISCONSIN MICHIGAN PWR CO	†WAY DAM	MICHIGAMME	MICH	1 800	10 000	39
I	CLEVELAND CLIFFS IRON CO	REPUBLIC	MICHIGAMME	MICH	640	1 800	23
P	WISCONSIN MICHIGAN PWR CO	BRULE ISLAND	BRULE	MICH	5 335	12 000	63
P	WISCONSIN MICHIGAN PWR CO	†LOWER PAINT	PAINT	MICH	100	600	22
M	CRYSTAL FALLS LT WTR DEPT	CRYSTAL FALLS	PAINT	MICH	900	3 000	21
					106 208	544 200	
I	ESCANABA						
I	MEAD CORPORATION	ESCANABA NO 1	ESCANABA	MICH	1 950	6 700	24
I	MEAD CORPORATION	ESCANABA NO 2	ESCANABA	MICH	1 250	6 500	30
I	MEAD CORPORATION	CHANDLER NO 3	ESCANABA	MICH	2 500	9 900	28
I	MEAD CORPORATION	BONEY FALLS NO 4	ESCANABA	MICH	4 500	14 000	49
I	CLEVELAND CLIFFS IRON CO	ESCANABA	ESCANABA	MICH	2 000	5 300	67
					12 200	42 400	
I	MANISTIQUE						
I	MANISTIQUE PULP PAPER CO	MANISTIQUE	MANISTIQUE	MICH	1 000	1 300	26
					1 000	1 300	
	<u>LAKE MICHIGAN TOTAL</u>				<u>325 849</u>	<u>1 347 200</u>	
	<u>LAKE SUPERIOR</u>						
I	AU TRAIN						
I	CLEVELAND CLIFFS IRON CO	AU TRAIN	AU TRAIN	MICH	896	4 700	137
					896	4 700	
I	CARP						
I	CLEVELAND CLIFFS IRON CO	CARP	CARP	MICH	4 480	19 000	608
					4 480	19 000	
M	DEAD						
M	MARQUETTE CITY OF	MARQUETTE NO 3	DEAD	MICH	700	3 900	32
M	MARQUETTE CITY OF	MARQUETTE NO 2	DEAD	MICH	3 200	12 000	132
M	MARQUETTE CITY OF	MARQUETTE NO 1	DEAD	MICH	1 000	700	90
I	CLEVELAND CLIFFS IRON CO	MC CLURE	DEAD	MICH	8 000	48 000	424
I	CLEVELAND CLIFFS IRON CO	HOIST	DEAD	MICH	4 400	17 000	148
					17 300	81 600	
M	FALLS						
M	L ANSE VILLAGE OF	L ANSE	FALLS	MICH	100	500	-
					100	500	
P	STURGEON						
P	UPPER PENINSULA PWR CO	PRICKETT	STURGEON	MICH	2 200	9 500	54
					2 200	9 500	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS I/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	ONTONAGON UPPER PENINSULA PWR CO	VICTORIA	ONTONAGON	MICH	12 000 12 000	68 000 68 000	218
P	MONTREAL						
P	LAKE SUPERIOR DIST PWR CO	SUPERIOR FALLS	MONTREAL	MICH	1 320	8 800	137
P	LAKE SUPERIOR DIST PWR CO	SAXON	MONTREAL	MICH	1 250 2 570	9 400 18 200	119
P	BAD						
P	LAKE SUPERIOR DIST PWR CO	WHITE RIVER	WHITE	WIS	1 000	4 900	50
P	LAKE SUPERIOR DIST PWR CO	MELLEN NO 1	BAD	WIS	450 1 450	1 400 6 300	80
P	IRON						
P	LAKE SUPERIOR DIST PWR CO	ORIENTA FALLS	IRON	WIS	800 800	3 000 3 000	55
P	EAU CLAIRE						
P	DAHLBERG LIGHT AND PWR CO	NANCY	TOTOGATIC	WIS	450	1 300	-
P	DAHLBERG LIGHT AND PWR CO	GORDON	EAU CLAIRE	WIS	257 707	1 000 2 300	-
P	ST LOUIS						
P	MINNESOTA POWER AND LT CO	FOND DU LAC	ST LOUIS	MINN	12 000	63 000	78
P	MINNESOTA POWER AND LT CO	THOMSON	ST LOUIS	MINN	67 350	320 000	374
P	MINNESOTA POWER AND LT CO	SCANLON	ST LOUIS	MINN	1 600	9 500	15
I	NORTHWEST PAPER CO	CLOQUET	ST LOUIS	MINN	5 510	28 000	40
P	MINNESOTA POWER AND LT CO	KNIFE FALLS	ST LOUIS	MINN	2 400 88 860	12 000 432 500	18
	<u>LAKE SUPERIOR TOTAL</u>				<u>131 363</u>	<u>645 600</u>	
	<u>GREAT LAKES-ST LAWRENCE TOTAL</u>				<u>2 287 442</u>	<u>13 416 880</u>	
	<u>HUDSON BAY</u>						
P	RED						
P	OTTER TAIL POWER CO	CROOKSTON NO 1	RED LAKE	MINN	176	900	12
P	NORTHERN STATES P CO MINN	RED LAKE FALLS	RED LAKE	MINN	600	4 100	15
M	THIEF RIV FALLS W L DEPT	THIEF RIVER FALL	RED LAKE	MINN	500	3 000	10
P	OTTER TAIL POWER CO	DAYTON HOLLOW	OTTER TAIL	MINN	1 290	6 000	37
P	OTTER TAIL POWER CO	PISGAH	OTTER TAIL	MINN	520	3 600	30
P	OTTER TAIL POWER CO	WRIGHT	OTTER TAIL	MINN	400	2 800	24
P	OTTER TAIL POWER CO	HOOT LAKE	OTTER TAIL	MINN	2 060	5 600	70
P	OTTER TAIL POWER CO	TAPLIN GORGE	OTTER TAIL	MINN	560 6 106	3 400 29 400	40
M	RAINY						
I	MINNKOTA PWR COOP INC	†BIG FALLS	BIG FORK	MINN	600	3 000	34
P	MINNESOTA ONTARIO PAPER CO	INTERNATIONAL FL	RAINY	MINN	5 600	25 000	36
P	MINNESOTA POWER AND LT CO	†WINTON	KAWISHIWI	MINN	4 000 10 200	19 000 47 000	67
	<u>HUDSON BAY TOTAL</u>				<u>16 306</u>	<u>76 400</u>	
	<u>UPPER MISSISSIPPI RIVER</u>						
P	ILLINOIS						
P	NO COUNTIES HYDRO ELEC CO	†DAYTON	FOX	ILL	3 680	17 000	30
I	NATIONAL BISCUIT CO	MARSEILLES	ILLINOIS	ILL	450	1 700	15
P	ILLINOIS POWER CO	MARSEILLES	ILLINOIS	ILL	2 024	19 000	16
M	SANITARY DIST OF CHICAGO	LOCKPORT	DES PLAINES	ILL	19 900 26 054	75 000 112 700	39
M	DES MOINES						
M	OTTUMWA CITY OF	†OTTUMWA	DES MOINES	IOWA	3 000	14 000	13
M	FORT DODGE CITY OF	HYDRO	DES MOINES	IOWA	800	3 500	17
P	IOWA PUBLIC SERVICE CO	HUMBOLDT	DES MOINES	IOWA	525	1 500	18
P	IOWA PUBLIC SERVICE CO	RUTLAND	DES MOINES	IOWA	800 5 125	2 000 21 000	15
P	MISSISSIPPI MAIN STREAM UNION ELECTRIC CO	KEOKUK	MISSISSIPPI	IOWA	124 800* 124 800	770 000 770 000	36

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
IOWA							
P	IOWA ELEC LT AND PWR CO	CEDAR RAPIDS	CEDAR	IOWA	1 200	3 400	10
M	CEDAR FALLS CITY OF	CEDAR FALLS	CEDAR	IOWA	1 200	5 200	11
P	INTERSTATE POWER CO	GREENE	SHELLROCK	IOWA	320	900	11
M	WAVERLY CITY OF	EAST	CEDAR	IOWA	495	1 700	13
P	IOWA PUBLIC SERVICE CO	NASHUA	CEDAR	IOWA	576	2 100	17
P	IOWA PUBLIC SERVICE CO	CHARLES CITY	CEDAR	IOWA	150	500	16
P	INTERSTATE POWER CO	MITCHELL	CEDAR	IOWA	1 000	1 400	19
I	HORMEL GEO A CO	AUSTIN	CEDAR	MINN	157	50	14
P	IOWA ILLINOIS G AND EL CO	CORALVILLE	IOWA	IOWA	400	1 200	11
I	AMANA WOOLEN MILLS	AMANA	IOWA	IOWA	300	900	-
P	IOWA ELEC LT AND PWR CO	IOWA FALLS	IOWA	IOWA	275	1 000	25
					6 073	18 350	
ROCK							
P	SEARS WATER POWER CO	SEARS	ROCK	ILL	1 440	11 000	11
P	COMMONWEALTH EDISON CO	STERLING UPPER	ROCK	ILL	2 175	10 000	10
P	COMMONWEALTH EDISON CO	DIXON	ROCK	ILL	3 200	16 000	9
M	CENTRAL ILLINOIS E G CO	FORDHAM	ROCK	ILL	1 200	3 300	9
P	BRODHEAD WTR AND LT COMM	BRODHEAD	SUGAR	WIS	262	1 000	9
P	SOUTH BELOIT W G AND E CO	ROCKTON	ROCK	ILL	1 100	6 000	12
P	WISCONSIN POWER AND LT CO	FULTON	YAHARA	WIS	300	1 000	14
M	STOUGHTON ELEC UTILITIES	STEBBINSVILLE	YAHARA	WIS	300	1 000	15
M	STOUGHTON ELEC UTILITIES	DUNKIRK	YAHARA	WIS	276	900	11
M	STOUGHTON ELEC UTILITIES	CITY	YAHARA	WIS	150	500	9
P	WISCONSIN POWER AND LT CO	BLACKHAWK	ROCK	WIS	380	2 800	9
P	WISCONSIN POWER AND LT CO	MONTEREY	ROCK	WIS	320	1 800	9
P	WISCONSIN POWER AND LT CO	JANESVILLE	ROCK	WIS	500	2 200	9
P	WISCONSIN POWER AND LT CO	INDIAN FORD	ROCK	WIS	400	1 200	6
P	WISCONSIN ELECTRIC PWR CO	WATERTOWN	ROCK	WIS	240	400	12
M	HUSTISFORD VILLAGE OF	HUSTISFORD	ROCK	WIS	100	300	12
					12 343	59 400	
MISSISSIPPI MAIN STREAM							
P	IOWA ILLINOIS G AND EL CO	MOLINE	MISSISSIPPI	ILL	3 600	25 000	12
F	CORPS OF ENGINEERS	ROCK ISLAND	MISSISSIPPI	ILL	2 752	20 000	16
					6 352	45 000	
WAPSIPINICON							
P	IOWA ELEC LT AND PWR CO	ANAMOSA	WAPSIPINICON	IOWA	200	800	9
					200	800	
MAQUOKETA							
P	IOWA ELEC LT AND PWR CO	MAQUOKETA	MAQUOKETA	IOWA	1 200	5 000	25
P	INTERSTATE POWER CO	DELHI	MAQUOKETA	IOWA	1 500	3 500	40
P	IOWA ELEC LT AND PWR CO	QUAKER MILLS	MAQUOKETA	IOWA	265	200	16
P	IOWA ELEC LT AND PWR CO	MANCHESTER	MAQUOKETA	IOWA	250	400	13
					3 215	9 100	
TURKEY							
P	INTERSTATE POWER CO	ELKADER	TURKEY	IOWA	422	800	17
					422	800	
WISCONSIN							
P	WISCONSIN PWR AND LT CO	GAYS MILLS	KICKAPOO	WIS	264	600	8
M	LA FARGE MUNICIPAL EL CO	LA FARGE	KICKAPOO	WIS	138	500	-
P	WISCONSIN POWER AND LT CO	PRAIRIE DU SAC	WISCONSIN	WIS	28 500	110 000	37
I	GEORGE MCARTHUR AND SON	BARABOO	BARABOO	WIS	200	800	
P	WISCONSIN POWER AND LT CO	BARABOO	BARABOO	WIS	200	500	12
I	ISLAND WOOLEN CO	BARABOO	BARABOO	WIS	412	1 500	18
I	REEDSBURG WOOLEN MILLS	REEDSBURG	BARABOO	WIS	150	500	8
P	WISCONSIN POWER AND LT CO	KILBOURN	WISCONSIN	WIS	8 200	46 000	22
P	WISCONSIN POWER AND LT CO	LEMONWEIR	LEMONWEIR	WIS	176	300	7
P	WISCONSIN POWER AND LT CO	MAUSTON	LEMONWEIR	WIS	360	600	8
P	WISCONSIN RIVER POWER CO	*CASTLE ROCK	WISCONSIN	WIS	15 000	75 000	30
P	WISCONSIN POWER AND LT CO	NECEDAH	YELLOW	WIS	260	400	12
P	WISCONSIN POWER AND LT CO	ROCHE A CRI	ROCHE A CRI CR	WIS	160	700	16
P	WISCONSIN RIVER POWER CO	*PETENWELL	WISCONSIN	WIS	20 000	100 000	42
I	NEKOOSA EDWARDS PAPER CO	NEKOOSA	WISCONSIN	WIS	3 600	24 000	22
I	NEKOOSA EDWARDS PAPER CO	PORT EDWARDS	WISCONSIN	WIS	2 920	17 000	17
I	NEKOOSA EDWARDS PAPER CO	CENTRALIA	WISCONSIN	WIS	3 200	18 000	15
P	CONSOLIDATED WATER PWR CO	*WISC RAPIDS NO 1	WISCONSIN	WIS	4 160	25 000	33
P	CONSOLIDATED WATER PWR CO	*BIRON NO 2	WISCONSIN	WIS	3 300	20 000	24
I	WHITING PLOVER PAPER CO	*STEVENS POINT	WISCONSIN	WIS	625	900	8
P	WISCONSIN PUB SERV CORP	JORDAN	PLOVER	WIS	300	900	26
I	CONSOL WTR PWR PAPER CO	STEVENS POINT	WISCONSIN	WIS	960	7 000	21
P	CONSOLIDATED WATER PWR CO	*STEVENS POINT	WISCONSIN	WIS	3 840	25 000	18
P	CONSOLIDATED WATER PWR CO	*DU BAY	WISCONSIN	WIS	7 200	40 000	25
I	MOSINEE PAPER MILLS CO	*MOSINEE	WISCONSIN	WIS	3 400	23 000	22
I	AMERICAN CAN CO	*ROTHSCHILD	WISCONSIN	WIS	4 225	19 000	21
P	WISCONSIN PUB SERV CORP	*WAUSAU WEST	WISCONSIN	WIS	5 400	33 000	28

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
I	WISCONSIN CONTD						
P	WARD PAPER COMPANY	MERRILL	WISCONSIN	WIS	135	300	17
P	WISCONSIN PUB SERV CORP	†MERRILL	WISCONSIN	WIS	840	6 100	14
P	WISCONSIN PUB SERV CORP	†ALEXANDER	WISCONSIN	WIS	4 200	25 000	23
P	WISCONSIN PUB SERV CORP	†GRANDFATHER	WISCONSIN	WIS	17 240	101 000	95
I	OWENS-ILLINOIS GLASS CO	†GRANDMOTHER	WISCONSIN	WIS	3 000	15 000	19
P	WISCONSIN PUB SERV CORP	†TOMAHAWK	WISCONSIN	WIS	2 600	14 000	15
P	WISCONSIN PUB SERV CORP	JERSEY	TOMAHAWK	WIS	512	2 600	15
P	TOMAHAWK PWR CO	†KINGS DAM	WISCONSIN	WIS	250	1 000	23
P	WISCONSIN PUB SERV CORP	†HAT RAPIDS	WISCONSIN	WIS	1 760	6 500	21
I	RHINELANDER PAPER CO	†RHINELANDER	WISCONSIN	WIS	2 120	10 000	32
P	WISCONSIN PUB SERV CORP	†OTTER RAPIDS	WISCONSIN	WIS	700	2 100	13
					150 507	773 800	
M	ROOT LANESBORO PUB UTIL COMM	LANESBORO	ROOT	MINN	477 477	900 900	30
P	LA CROSSE NORTHERN STS PWR CO WIS	STEENSEN NO 2	LA CROSSE	WIS	125	700	8
P	NORTHERN STS PWR CO WIS	NESHONOC NO 1	LA CROSSE	WIS	200 325	1 500 2 200	11
M	BLACK BLACK RIVER FALLS CITY OF	BLACK RIVER FALL	BLACK	WIS	920	2 200	18
P	MISS VALLEY PUB SERV CO	HATFIELD	BLACK	WIS	5 000* 5 920	16 000 18 200	99
M	ZUMBRO ROCHESTER CITY OF	ROCHESTER	ZUMBRO	MINN	1 840 1 840	6 000 6 000	57
P	CHIPPEWA NORTHERN STS PWR CO WIS	EAU GALLE	EAU GALLE	WIS	400	1 000	28
P	NORTHERN STS PWR CO WIS	†MENOMINIE	RED CEDAR	WIS	5 400	12 900	37
P	NORTHERN STS PWR CO WIS	CEDAR FALLS	RED CEDAR	WIS	6 000	29 000	51
P	NORTHERN STS PWR CO WIS	COLFAX	RED CEDAR	WIS	1 200	6 000	22
M	BARRON LT AND WTR COMM	BARRON	YELLOW	WIS	207	600	12
P	NORTHERN STS PWR CO WIS	CHETEK	RED CEDAR	WIS	250	500	8
P	NORTHERN STS PWR CO WIS	RICE LAKE	RED CEDAR	WIS	320	1 500	11
P	NORTHERN STS PWR CO WIS	EAU CLAIRE	CHIPPEWA	WIS	8 900	41 000	26
P	NORTHERN STS PWR CO WIS	DELLS	CHIPPEWA	WIS	600	2 000	18
P	NORTHERN STS PWR CO WIS	CHIPPEWA FALLS	CHIPPEWA	WIS	21 600	74 000	29
P	NORTHERN STS PWR CO WIS	WISSOTA	CHIPPEWA	WIS	35 280	140 000	54
P	NORTHERN STS PWR CO WIS	JIM FALLS	CHIPPEWA	WIS	14 400	83 000	54
I	CORNELL WOOD PRODUCTS CO	CORNELL	CHIPPEWA	WIS	2 160	17 000	37
P	NORTHERN STS PWR CO WIS	†HOLCOMBE	CHIPPEWA	WIS	33 750	100 000	44
M	DAIRYLAND PWR COOP	THORNAPPLE	FLAMBEAU	WIS	1 400	7 600	15
M	DAIRYLAND PWR COOP	PORT ARTHUR	FLAMBEAU	WIS	520	2 600	18
M	DAIRYLAND PWR COOP	LADYSMITH	FLAMBEAU	WIS	1 800	11 000	16
M	DAIRYLAND PWR COOP	†FLAMBEAU	FLAMBEAU	WIS	15 000	68 000	66
P	LAKE SUPERIOR DIST PWR CO	BIG FALLS	FLAMBEAU	WIS	7 780	35 000	52
I	KANSAS CITY STAR CO	PARK FALLS	FLAMBEAU	WIS	4 700	19 000	56
P	NORTH CENTRAL PWR CO	RADISSON	OREILLES	WIS	495	900	
P	NORTH CENTRAL PWR CO	†WINTER	E FK CHIPPEWA	WIS	650	2 200	25
					162 812	654 800	
P	CANNON NORTHERN STS PWR CO MINN	CANNON FALLS	CANNON	MINN	1 900 1 900	9 200 9 200	58
M	ST CROIX RIVER FALLS MUN UTILITIES	POWELL FALLS	KINNIKINNIC	WIS	125	400	18
M	RIVER FALLS MUN UTILITIES	JUNCTION	KINNIKINNIC	WIS	250	600	48
P	NORTHERN STS PWR CO WIS	ST CROIX	WILLOW	WIS	300	400	14
P	NORTHERN STS PWR CO WIS	LITTLE FALLS	WILLOW	WIS	300	700	27
P	NORTHERN STS PWR CO WIS	WILLOW FALLS	WILLOW	WIS	600	2 000	107
P	NORTHERN STS PWR CO WIS	MOUNDS	WILLOW	WIS	180	800	50
P	NORTHERN STS PWR CO WIS	APPLE RIVER	APPLE	WIS	3 000	11 000	83
P	NORTHERN STS PWR CO WIS	SOMERSET	APPLE	WIS	475	2 100	18
P	NORTHERN STS PWR CO WIS	RIVERDALE	APPLE	WIS	500	3 300	23
P	NORTHERN STS PWR CO WIS	MCCLURE	APPLE	WIS	160	1 200	13
P	NORTHERN STS PWR CO WIS	HUNTINGDON	APPLE	WIS	640	2 900	27
P	NORTHERN STS PWR CO WIS	BLACK BROOK	APPLE	WIS	540	1 700	23
P	NORTHERN STS PWR CO WIS	ST CROIX FALLS	ST CROIX	WIS	23 200	110 000	59
P	MINNESOTA POWER AND LT CO	SANDSTONE	KETTLE	MINN	475	2 000	15
P	CLAM RIVER DAM CO	CLAM DAM	CLAM	WIS	800	4 000	21
P	NORTHWESTERN WIS ELEC CO	CLAM FALLS	CLAM	WIS	168	500	29
P	NORTHWESTERN WIS ELEC CO	DANBURY	YELLOW	WIS	1 076	6 000	29
P	NORTHERN STS PWR CO WIS	TREGO	NAMAKAGON	WIS	1 200	7 000	30
P	LAKE SUPERIOR DIST PWR CO	HAYWARD	NAMAKAGON	WIS	168	1 300	16
					34 157	157 900	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS I/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MINNESOTA							
P	NORTHERN STS PWR CO MINN	RAPIDAN	BLUE EARTH	MINN	1 500	8 600	62
M	REDWOOD FALLS PUB UT COMM	REDWOOD FALLS	REDWOOD	MINN	500	400	85
P	NORTHERN STS PWR CO MINN	MINNESOTA FALLS	MINNESOTA	MINN	780	3 100	19
M	GRANITE FALLS CITY OF	GRANITE FALLS	MINNESOTA	MINN	550	2 500	14
					3 330	14 600	
MISSISSIPPI MAIN STREAM							
I	FORD MOTOR CO	†TWIN CITY	MISSISSIPPI	MINN	14 400	87 000	36
P	NORTHERN STS PWR CO MINN	†LOWER DAM	MISSISSIPPI	MINN	8 000	52 000	24
I	GENERAL MILLS INC	MINNEAPOLIS	MISSISSIPPI	MINN	1 536	10 000	49
P	NORTHERN STS PWR CO MINN	†HENNEPIN ISLAND	MISSISSIPPI	MINN	12 400	50 000	49
P	NORTHERN STS PWR CO MINN	†CONSOLIDATED	MISSISSIPPI	MINN	2 730	21 000	49
P	NORTHERN STS PWR CO MINN	†MAIN STREET	MISSISSIPPI	MINN	960	9 400	45
P	NORTHERN STS PWR CO MINN	COON RAPIDS	MISSISSIPPI	MINN	6 500	46 000	18
					46 526	275 400	
ELK							
M	ELK RIVER MUNICIPAL UTIL	ELK RIVER	ELK	MINN	250	1 000	15
					250	1 000	
MISSISSIPPI MAIN STREAM							
P	NORTHERN STS PWR CO MINN	ST CLOUD 2	MISSISSIPPI	MINN	1 000	9 400	18
P	NORTHERN STS PWR CO MINN	ST CLOUD 1	MISSISSIPPI	MINN	1 200	14 000	18
					2 200	23 400	
SAUK							
I	COLD SPRING GRANITE CO	FINISHING	SAUK	MINN	150	100	9
					150	100	
MISSISSIPPI MAIN STREAM							
I	ST REGIS PAPER CO	SARTELL	MISSISSIPPI	MINN	2 340	7 400	21
P	MINNESOTA POWER AND LT CO	†BLANCHARD	MISSISSIPPI	MINN	12 000	79 000	45
P	MINNESOTA POWER AND LT CO	LITTLE FALLS	MISSISSIPPI	MINN	3 520	21 000	24
					17 860	107 400	
CROW WING							
P	MINNESOTA POWER AND LT CO	SYLVAN	CROW WING	MINN	1 800	9 800	22
P	MINNESOTA POWER AND LT CO	PILLAGER	CROW WING	MINN	1 520	9 300	22
					3 320	19 100	
MISSISSIPPI MAIN STREAM							
I	NORTHWEST PAPER CO	BRAINERD	MISSISSIPPI	MINN	3 400	15 000	22
					3 400	15 000	
PRAIRIE							
P	BLANDIN POWER CO	PRAIRE RIVER	PRAIRIE	MINN	1 084	3 400	35
					1 084	3 400	
MISSISSIPPI MAIN STREAM							
I	BLANDIN PAPER CO	PAPER MILL	MISSISSIPPI	MINN	2 200	10 000	20
P	OTTER TAIL POWER CO	BEMIDJI	MISSISSIPPI	MINN	740	2 200	22
					2 940	12 200	
UPPER MISSISSIPPI RIVER TOTAL					623 582	3 131 750	
MISSOURI RIVER							
OSAGE							
P	UNION ELECTRIC CO OF MO	†OSAGE	OSAGE	MO	176 200*	440 000	92
P	SHO ME POWER CORP	NIANGUA	NIANGUA	MO	3 000	13 000	41
P	MISSOURI PUBLIC SERV CO	OSCEOLA	OSAGE	MO	1 600	7 000	14
					180 800	460 000	
KANSAS							
M	BOWERSOCK MLS AND PWR CO	LAWRENCE	KANSAS	KANS	1 850	9 300	13
P	THE KANSAS PWR AND LT CO	ROCKY FORD	BIG BLUE	KANS	460	1 300	17
M	FAIRBURY CITY OF	FAIRBURY	LITTLE BLUE	NEBR	240	300	12
M	CONSUMERS PUB POWER DIST	HEBRON	LITTLE BLUE	NEBR	120	400	12
P	KANSAS PWR AND LT CO	MARYSVILLE	BIG BLUE	KANS	600	400	14
M	NORRIS RURAL PUB PWR DIST	BARNESTON	BIG BLUE	NEBR	720	2 500	-
M	CONSUMERS PUB POWER DIST	BLUE SPRINGS NO	BIG BLUE	NEBR	418	1 200	12
M	CONSUMERS PUB POWER DIST	HOLMESVILLE	BIG BLUE	NEBR	280	900	14
M	CONSUMERS PUB POWER DIST	SEWARD NO 3	W FK BLUE	NEBR	288	800	20
M	CONSUMERS PUB POWER DIST	SEWARD NO 6	W FK BLUE	NEBR	150	500	14
M	CONSUMERS PUB POWER DIST	SEWARD NO 2	W FK BLUE	NEBR	100	500	16
M	CONSUMERS PUB POWER DIST	SEWARD NO 1	BIG BLUE	NEBR	280	500	15
M	CONSUMERS PUB POWER DIST	SEWARD NO 5	BIG BLUE	NEBR	240	300	16
M	IMPERIAL CITY OF	IMPERIAL	FRENCHMAN CR	NEBR	120	500	17
					5 866	19 400	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
PLATTE							
I	NORFOLK CEREAL FLOUR MILL	NORFOLK	ELKHORN	NEBR	150	400	13
M	NEBRASKA PUB PWR SYSTEM	†COLUMBUS	LOUP CANAL	NEBR	39 900	120 000	116
M	NEBRASKA PUB PWR SYSTEM	†MONROE	LOUP CANAL	NEBR	7 838	50 000	35
M	CONSUMERS PUB POWER DIST	FULLERTON	CEDAR	NEBR	394	1 200	15
M	SPALDING MUN LT AND PWR	SPALDING	CEDAR	NEBR	350	800	16
M	CONSUMERS PUB POWER DIST	ERICSON	CEDAR	NEBR	350	700	19
M	CONSUMERS PUB POWER DIST	BOELUS	MIDDLE LOUP	NEBR	2 000	4 500	32
M	NEBRASKA PUB PWR SYSTEM	KEARNEY	PLATTE	NEBR	1 500	2 900	54
M	NEBRASKA PUB PWR SYSTEM	GOTHENBURG	PLATTE	NEBR	400	1 700	45
M	NEBRASKA PUB PWR SYSTEM	†JOHNSON NO 2	PLATTE CANAL	NEBR	18 000	100 000	146
M	NEBRASKA PUB PWR SYSTEM	†JOHNSON NO 1	PLATTE CANAL	NEBR	18 000	100 000	118
M	NEBRASKA PUB PWR SYSTEM	†JEFFREY CANYON	PLATTE CANAL	NEBR	18 000	100 000	117
M	LOVELAND CITY OF	LOVELAND	THOMPSON	COLO	900	4 700	345
F	BUREAU OF RECLAMATION	FLATIRON 1 AND 2	COLO BIG THOM DIV	COLO	63 000	280 000	1113
F	BUREAU OF RECLAMATION	FLATIRON 3 <u>2</u>	COLO BIG THOM DIV	COLO	8 500	1 000	286
F	BUREAU OF RECLAMATION	POLE HILL	COLO BIG THOM DIV	COLO	33 250	230 000	840
F	BUREAU OF RECLAMATION	ESTES	COLO BIG THOM DIV	COLO	45 000	120 000	572
F	BUREAU OF RECLAMATION	MARYS LAKE	COLO BIG THOM DIV	COLO	8 100	45 000	217
M	TOWN OF ESTES PARK	ESTES PARK	FALL	COLO	880	2 300	547
M	LONGMONT CITY OF	LONGMONT	ST VRAIN CR	COLO	400	3 000	500
I	OZARK MAHONING CO	WANO MILL	JAMES CR	COLO	150	200	-
P	PUBLIC SERVICE CO OF COLO	BOULDER	MIDDLE BOULDER CR	COLO	20 000	33 000	1828
P	FALL RIVER POWER CO	†FALL RIVER	FALL	COLO	600		650
P	PUBLIC SERVICE CO OF COLO	GEORGETOWN	S CLEAR CR	COLO	1 440	6 800	700
M	NEBRASKA PUB PWR SYSTEM	†NORTH PLATTE	N PLATTE CANAL	NEBR	26 100	100 000	218
F	BUREAU OF RECLAMATION	GUERNSEY	NORTH PLATTE	WYO	4 800	27 000	86
F	BUREAU OF RECLAMATION	GLENDO	NORTH PLATTE	WYO	24 000	76 000	140
F	BUREAU OF RECLAMATION	ALCOVA	NORTH PLATTE	WYO	36 000	120 000	160
F	BUREAU OF RECLAMATION	KORTES	NORTH PLATTE	WYO	36 000	150 000	204
F	BUREAU OF RECLAMATION	SEMINOE	NORTH PLATTE	WYO	32 400	120 000	217
F	BUREAU OF RECLAMATION	BIG THOMPSON	BIG THOMPSON	COLO	4 500	15 000	178
					452 902	1 816 200	
BIG SIOUX							
P	NORTHERN STS PWR CO MINN	SIOUX FALLS	BIG SIOUX	S DAK	1 500	7 000	73
					1 500	7 000	
MISSOURI MAIN STREAM							
F	CORP OF ENGINEERS	GAVINS POINT	MISSOURI	NEBR	100 000	633 000	48
					100 000	633 000	
NIOBRARA							
M	CONSUMERS PUB POWER DIST	SPENCER	NIOBRARA	NEBR	2 640	11 000	20
M	CONSUMERS PUB POWER DIST	LONG PINE	LONG PINE CR	NEBR	150	400	23
M	CONSUMERS PUB POWER DIST	AINSWORTH	PLUM CR	NEBR	350	1 000	31
M	CONSUMERS PUB POWER DIST	FORT NIOBRARA	NIOBRARA	NEBR	980	1 700	13
M	CONSUMERS PUB POWER DIST	MINNENICHADUZA	MINNECHADUZA CR	NEBR	200	400	29
					4 320	14 500	
MISSOURI MAIN STREAM							
F	CORPS OF ENGINEERS	FORT RANDALL	MISSOURI	S DAK	320 000	1 457 000	131
					320 000	1 457 000	
WHITE							
P	DON JONES	WHITE RIVER	S FK WHITE	S DAK	350	600	17
					350	600	
CHEYENNE							
P	BLACK HILLS PWR AND LT CO	REDWATER NO 2	REDWATER	S DAK	346	2 400	50
P	BLACK HILLS PWR AND LT CO	REDWATER NO 1	REDWATER	S DAK	1 000	4 300	100
I	HOMESTAKE MINING CO	NO 1	SPEARFISH CR	S DAK	4 000	19 000	667
I	HOMESTAKE MINING CO	NO 2	SPEARFISH CR	S DAK	4 000	13 000	545
I	HOMESTAKE MINING CO	ENGLEWOOD	ENGLEWOOD CR	S DAK	400	1 000	486
P	CENTRAL ELEC AND GAS CO	FALL RIVER FALLS	FALL	S DAK	250	1 500	105
F	BUREAU OF RECLAMATION	ANGOSTURA	S FK CHEYENNE	S DAK	1 200	6 000	113
					11 196	47 200	
MISSOURI MAIN STREAM							
F	CORPS OF ENGINEERS	GARRISON	MISSOURI	N DAK	240 000	1 184 000	172
					240 000	1 184 000	
YELLOWSTONE							
P	PACIFIC POWER AND LT CO	BUFFALO	CLEAR CR	WYO	400	4 000	355
F	BUREAU OF RECLAMATION	HEART MOUNTAIN	SHOSHONE	WYO	5 000	50 000	276
F	BUREAU OF RECLAMATION	SHOSHONE	SHOSHONE	WYO	5 600	45 000	225
F	BUREAU OF RECLAMATION	BOYSEN	BIG HORN	WYO	15 000	72 000	115
F	BUREAU OF RECLAMATION	PILOT BUTTE	WIND	WYO	1 600	14 000	105
P	PACIFIC POWER AND LT CO	SINKS	POPO AGIE	WYO	552	2 300	220
P	THE MONTANA POWER CO	MYSTIC LAKE	W ROSEBUD CR	MONT	10 000	52 000	1128
F	NATIONAL PARK SERVICE	MAMMOTH	GARDINER	WYO	600	1 400	310
					38 752	240 700	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
F	MISSOURI MAIN STREAM CORPS OF ENGINEERS	FORT PECK	MISSOURI	MONT	85 000	670 000	213
P	THE MONTANA POWER CO	†MORONY	MISSOURI	MONT	45 000	310 000	83
P	THE MONTANA POWER CO	†RYAN	MISSOURI	MONT	48 000	450 000	151
P	THE MONTANA POWER CO	†COCHRANE	MISSOURI	MONT	48 000	225 000	76
P	THE MONTANA POWER CO	†RAINBOW	MISSOURI	MONT	35 600	270 000	112
P	THE MONTANA POWER CO	†BLACK EAGLE	MISSOURI	MONT	16 800	138 000	52
P	THE MONTANA POWER CO	†HOLTER	MISSOURI	MONT	38 400	250 000	109
P	THE MONTANA POWER CO	†HAUSER LAKE	MISSOURI	MONT	17 000	110 000	67
F	BUREAU OF RECLAMATION	CANYON FERRY	MISSOURI	MONT	50 000	330 000	150
					383 800	2 753 000	
P	MADISON THE MONTANA POWER CO	†MADISON NO 2	MADISON	MONT	9 000	73 000	119
					9 000	73 000	
	<u>MISSOURI RIVER TOTAL</u>				<u>1 748 486</u>	<u>8 705 600</u>	
	<u>LOWER MISSISSIPPI RIVER</u>						
	<u>RED</u>						
F	CORPS OF ENGINEERS	NARROWS	LITTLE MISSOURI	ARK	17 000	28 000	144
P	ARKANSAS PWR AND LT CO	†REMEL	OUACHITA	ARK	9 300	49 000	50
P	ARKANSAS PWR AND LT CO	†CARPENTER	OUACHITA	ARK	56 000	110 000	95
F	CORPS OF ENGINEERS	BLAKELY MOUNTAIN	OUACHITA	ARK	75 000	160 000	181
F	CORPS OF ENGINEERS	DENISON	RED	TEXAS	71 200*	270 000	104
					228 500	617 000	
	<u>ARKANSAS</u>						
F	CORPS OF ENGINEERS	TEN KILLER FERRY	ILLINOIS	OKLA	34 000	120 000	142
F	CORPS OF ENGINEERS	FORT GIBSON	GRAND	OKLA	45 000	190 000	60
M	EUCHA CITY OF	EUCHA	SPAVINAW CR	OKLA	100	100	-
P	GRAND RIVER DAM AUTHORITY	†PENSACOLA	GRAND	OKLA	86 900*	330 000	121
M	THE EMPIRE DIST ELEC CO	LQWELL	SPRING	KANS	3 000	8 500	24
M	COLORADO SPRINGS CITY OF	MANITOU SPRINGS	RUXTON CR	COLO	5 000	15 000	2421
P	COLORADO SPRINGS CITY OF	RUXTON PARK	RUXTON CR	COLO	1 000	2 600	1165
M	SOUTHERN COLORADO PWR CO	SKAGUAY	BEAVER CR	COLO	1 560*	9 000	1164
P	PUBLIC SERVICE CO OF COLO	SALIDA NO 2	ARKANSAS	COLO	800	3 900	347
P	PUBLIC SERVICE CO OF COLO	SALIDA NO 1	ARKANSAS	COLO	1 070	4 400	435
					178 430	683 500	
	<u>WHITE</u>						
P	ARKANSAS MISSOURI P CORP	HILTON DAM NO 3	SPRING	ARK	600	3 600	20
P	ARKANSAS MISSOURI P CORP	MAMMOTH SPRINGS	SPRING	ARK	440	2 500	20
F	CORPS OF ENGINEERS	NORFORK	NORTH FORK	ARK	70 400*	200 000	174
P	EMPIRE DISTRICT ELEC CO	†OZARK BEACH	WHITE	MO	16 000	110 000	48
F	CORPS OF ENGINEERS	TABLE ROCK	WHITE	MO	101 500*	350 000	208
F	CORPS OF ENGINEERS	BULL SHOALS	WHITE	ARK	162 000*	650 000	198
					350 940	1 316 100	
	<u>LOWER MISSISSIPPI RIVER TOTAL</u>				<u>757 870</u>	<u>2 616 600</u>	
	<u>WESTERN GULF</u>						
	<u>BRAZOS</u>						
F	CORPS OF ENGINEERS	WHITNEY	BRAZOS	TEXAS	30 000	83 000	89
M	BRAZOS RIVER AUTHORITY	†MORRIS SHEPPARD	BRAZOS	TEXAS	22 500	89 000	130
					52 500	172 000	
	<u>COLORADO TEXAS</u>						
M	AUSTIN CITY OF	AUSTIN	COLORADO	TEXAS	13 500	70 000	62
M	LOWER COLORADO R AUTH	MARSHALL FORD	COLORADO	TEXAS	67 500	200 000	150
M	LOWER COLORADO R AUTH	MARBLE FALLS	COLORADO	TEXAS	30 000	56 000	57
M	LOWER COLORADO R AUTH	GRANITE SHOAL	COLORADO	TEXAS	45 000	86 000	87
M	LOWER COLORADO R AUTH	INKS	COLORADO	TEXAS	12 500	46 000	61
M	LOWER COLORADO R AUTH	BUCHANAN 2/	COLORADO	TEXAS	33 750	100 000	132
					202 250	558 000	
	<u>GUADALUPE</u>						
P	CENTRAL PWR AND LT CO	CUERO	GUADALUPE	TEXAS	1 050	4 500	15
P	CENTRAL PWR AND LT CO	GONZALES	GUADALUPE	TEXAS	1 200	4 500	15
I	C ZEDLER AND SONS	LULING	SAN MARCOS	TEXAS	200	400	9
P	TEXAS HYDRO ELEC CORP	H 5	GUADALUPE	TEXAS	2 400	8 200	28
P	TEXAS HYDRO ELEC CORP	H 4	GUADALUPE	TEXAS	2 400	8 400	28
P	TEXAS POWER CORP	NOLTE TP 5	GUADALUPE	TEXAS	2 480	7 800	27
M	SEGUIN CITY OF	SEGUIN	GUADALUPE	TEXAS	250	1 600	9
P	TEXAS HYDRO ELEC CORP	TP 4	GUADALUPE	TEXAS	2 400	8 600	29

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P M M	GUADALUPE CONTD TEXAS POWER CORP TEXAS POWER CORP LOWER COLORADO R AUTH	ABBOTT TP 3 DUNLAP TP 1 LANDA	GUADALUPE GUADALUPE COMAL	TEXAS TEXAS TEXAS	2 800 3 600 600 19 380	10 000 15 000 500 69 500	31 46 24
F P P P M P F	RIO GRANDE INTL BNDRY AND WTR COMM CENTRAL PWR AND LT CO CENTRAL PWR AND LT CO CENTRAL PWR AND LT CO RED BLUFF W PWR CONT DIST SOUTHWESTERN PUB SERV CO BUREAU OF RECLAMATION	FALCON EAGLE PASS LAKE WALK DEVILS LAKE RED BLUFF CARLSBAD ELEPHANT BUTTE	RIO GRANDE RIO GRANDE CANAL DEVILS DEVILS PECOS PECOS RIO GRANDE	TEXAS TEXAS TEXAS TEXAS TEXAS N MEX N MEX	31 500 9 600 1 350 1 800 2 300 330 24 300 71 180	130 000 50 000 5 100 6 000 7 000 1 000 96 000 295 100	117 83 35 45 83 17 190
	<u>WESTERN GULF TOTAL</u>				<u>345 310</u>	<u>1 094 600</u>	
	<u>COLORADO RIVER</u>						
M M P P M M M M F	GILA SALT R PROJ AG IMP P DIST SALT R PROJ AG IMP P DIST ARIZ PUBLIC SERVICE CO ARIZ PUBLIC SERVICE CO SALT R PROJ AG IMP P DIST SALT R PROJ AG IMP P DIST SALT R PROJ AG IMP P DIST SALT R PROJ AG IMP P DIST BUREAU OF INDIAN AFFAIRS	CROSS CUT SOUTH CONSOL †CHILDS †IRVING STEWART MOUNTAIN MORMON FLAT HORSE MESA ROOSEVELT COOLIDGE	CROSS CUT CANAL CONSOLIDATED CAN VERDE FOSSIL CR SALT SALT SALT SALT GILA	ARIZ ARIZ ARIZ ARIZ ARIZ ARIZ ARIZ ARIZ ARIZ	3 000 800 5 400 1 600 10 400 7 000 30 000 19 690* 10 000 87 890	7 000 4 500 24 000 11 000 25 000 35 000 130 000 60 000 11 000 307 500	116 34 1075 482 116 131 266 226 205
F	YUMA CANAL BUREAU OF RECLAMATION	SIPHON DROP	YUMA CANAL	CALIF	1 600 1 600	15 000 15 000	15
M M M M	ALL AMERICAN CANAL IMPERIAL IRRIGATION DIST IMPERIAL IRRIGATION DIST IMPERIAL IRRIGATION DIST IMPERIAL IRRIGATION DIST	DROP NO 4 DROP NO 3 DROP NO 2 PILOT KNOB	ALL AMERICAN CAN ALL AMERICAN CAN ALL AMERICAN CAN ALL AMERICAN CAN	CALIF CALIF CALIF CALIF	19 600 4 800 10 000 33 000 67 400	100 000 35 000 55 000 50 000 240 000	51 25 26 55
F F F	COLORADO MAIN STREAM BUREAU OF RECLAMATION BUREAU OF RECLAMATION BUREAU OF RECLAMATION	PARKER DAVIS HOOVER *	COLORADO COLORADO COLORADO	CALIF ARIZ ARIZ-NEV	120 000 225 000 1 249 800* 1 594 800	790 000 1 510 000 5 350 000 7 650 000	78 135 530
P P P M P	VIRGIN CALIF PACIFIC UTIL CO CALIF PACIFIC UTIL CO CALIF PACIFIC UTIL CO ST GEORGE CITY CORP CALIF PACIFIC UTIL CO	GUNLOCK NO 1 VEYO NO 3 VEYO NO 2 ST GEORGE LA VERKIN NO 4	SANTA CLARA SANTA CLARA SANTA CLARA COTTONWOOD CR VIRGIN	UTAH UTAH UTAH UTAH UTAH	750 640 500 500 1 000 3 390	2 400 2 600 2 000 1 200 5 000 13 200	470 370 330 - 236
M P M	SAN JUAN FARMINGTON TOWN OF THE WESTERN COLORADO P CO LA PLATA ELEC ASSN INC	FARMINGTON †TACOMA PAGOSA SPRINGS	LAS ANIMAS LAS ANIMAS SAN JUAN	N MEX COLO COLO	200 8 000 200 8 400	700 22 000 400 23 100	26 982 -
M	ESCALANTE GARKANE POWER ASSN INC	†BOULDER CREEK	BOULDER CR	UTAH	2 750 2 750	23 000 23 000	1527
M	FREMONT GARKANE POWER ASSN INC	TORREY	FREMONT	UTAH	300 300	1 500 1 500	-
P M P	GREEN UINTAH POWER AND LIGHT CO MOON LAKE ELEC ASSN INC UTAH POWER AND LIGHT CO	†UINTAH †YELLOWSTONE VERNAL	UINTAH YELLOWSTONE CR ASHLEY CR	UTAH UTAH UTAH	1 200 900 250 2 350	7 500 6 500 1 400 15 400	450 250 84

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS I/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	DOLORES						
P	THE WESTERN COLORADO P CO	↑ILIMUM	LAKE FORK	COLO	1 200	7 600	500
P	THE WESTERN COLORADO P CO	↑NEW AMES	LAKE FORK	COLO	3 600	13 000	911
					4 800	20 600	
M	GUNNISON						
P	REDLANDS WATER AND PWR CO	REDLANDS	GUNNISON	COLO	1 400	9 000	35
P	THE WESTERN COLORADO P CO	OURAY	UNCOMPAHGRE	COLO	432	3 500	432
					1 832	12 500	
F	COLORADO MAIN STREAM						
M	BUREAU OF RECLAMATION	PALISADE	COLORADO	COLO	3 000	21 000	80
	GLENWOOD SPRINGS CITY OF	GLENWOOD SPRINGS	COLORADO	COLO	200	1 500	175
					3 200	22 500	
M	ROARING FORK						
	ASPEN ELECTRIC DEPT	ASPEN	ROARING FORK	COLO	1 400	2 000	18
					1 400	2 000	
P	COLORADO MAIN STREAM						
	PUBLIC SERVICE CO OF COLO	SHOSHONE	COLORADO	COLO	14 400	110 000	170
					14 400	110 000	
I	EAGLE						
	NEW JERSEY ZINC CO	EAGLE	FALL CR	COLO	358	980	625
					358	980	
F	BLUE						
	BUREAU OF RECLAMATION	GREEN MOUNTAIN	BLUE	COLO	21 600	70 000	259
					21 600	70 000	
M	WILLIAMS FORK						
	DENVER CITY AND COUNTY	WILLIAMS FORK	WILLIAMS FORK	COLO	3 000	9 000	196
					3 000	9 000	
	<u>COLORADO RIVER TOTAL</u>				<u>1 819 470</u>	<u>8 536 280</u>	
	<u>GREAT BASIN</u>						
P	TRUCKEE						
P	SIERRA PACIFIC POWER CO	RENO	TRUCKEE	NEV	700	4 800	41
P	SIERRA PACIFIC POWER CO	WASHOE	TRUCKEE	NEV	1 500	14 000	88
P	SIERRA PACIFIC POWER CO	VERDI	TRUCKEE	NEV	2 400	18 500	96
P	SIERRA PACIFIC POWER CO	FLEISH	TRUCKEE	NEV	2 000	18 000	125
P	SIERRA PACIFIC POWER CO	FARAD	TRUCKEE	CALIF	2 800	19 000	83
					9 400	74 300	
M	CARSON LAKE						
M	TRUCKEE CARSON IRR DIST	NEW	CARSON	NEV	800	8 000	26
	TRUCKEE CARSON IRR DIST	LAHONTAN	CARSON	NEV	1 640	16 000	120
					2 440	24 000	
P	MONO LAKE						
P	CALIFORNIA ELEC PWR CO	↑RUSH CREEK	RUSH CR	CALIF	8 400	43 000	1807
P	CALIFORNIA ELEC PWR CO	↑POOLE	LEE VINING CR	CALIF	10 000	26 000	1675
P	CALIFORNIA ELEC PWR CO	↑MILL CREEK	MILL CR	CALIF	2 400	8 600	785
					20 800	77 600	
M	OWENS						
M	LOS ANGELES DEPT W AND P	FRANKLIN CANYON	LOS ANGELES AQDUC	CALIF	2 000	8 800	285
M	LOS ANGELES DEPT W AND P	SAN FERNANDO	LOS ANGELES AQDUC	CALIF	5 660*	50 000	250
M	LOS ANGELES DEPT W AND P	S FRANCISQUITO 2	LOS ANGELES AQDUC	CALIF	42 000	115 000	540
M	LOS ANGELES DEPT W AND P	S FRANCISQUITO 1	LOS ANGELES AQDUC	CALIF	58 875*	210 000	935
M	LOS ANGELES DEPT W AND P	HAIWEE	LOS ANGELES AQDUC	CALIF	5 600	34 000	193
M	LOS ANGELES DEPT W AND P	COTTONWOOD	COTTONWOOD CR	CALIF	1 500	6 000	1267
M	LOS ANGELES DEPT W AND P	DIVISION CR NO 2	DIVISION CR	CALIF	600	4 000	1250
M	LOS ANGELES DEPT W AND P	BIG PINE NO 3	BIG PINE CR	CALIF	3 200	15 000	1245
P	CALIFORNIA ELEC PWR CO	BISHOP CR NO 6	BISHOP CR	CALIF	1 800	11 000	260
P	CALIFORNIA ELEC PWR CO	↑BISHOP CR NO 5	BISHOP CR	CALIF	3 500	18 000	420
P	CALIFORNIA ELEC PWR CO	↑BISHOP CR NO 4	BISHOP CR	CALIF	6 300	42 000	1112
P	CALIFORNIA ELEC PWR CO	↑BISHOP CR NO 3	BISHOP CR	CALIF	6 600	34 000	809
P	CALIFORNIA ELEC PWR CO	↑BISHOP CR NO 2	BISHOP CR	CALIF	6 320	39 000	953
M	LOS ANGELES DEPT W AND P	PLEASANT VALLEY	OWENS	CALIF	3 200	15 000	-
M	LOS ANGELES DEPT W AND P	CONTROL GORGE	OWENS	CALIF	37 500	133 000	781
M	LOS ANGELES DEPT W AND P	MIDDLE GORGE	OWENS	CALIF	37 500	133 000	767
M	LOS ANGELES DEPT W AND P	ADAMS MAIN	OWENS	CALIF	5 000	26 000	245
M	LOS ANGELES DEPT W AND P	ADAMS AUXILIARY	OWENS	CALIF	2 400	13 500	151
M	LOS ANGELES DEPT W AND P	UPPER GORGE	OWENS	CALIF	37 500	130 000	802
					267 055	1 037 300	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS I/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	HUMBOLDT LAKE						
P	ELKO LAMOILLE POWER CO	LAMOILLE	LAMOILLE CR	NEV	200	1 500	-
P	WELLS POWER CO	WELLS NO 1	SALMON FALLS	NEV	120	2 000	-
					320	3 500	
I	DUCK VALLEY CREEK KENNECOTT COPPER CORP	BIRD CREEK	DUCK VALLEY CR	NEV	840	1 900	-
					840	1 900	
P	GREAT SALT LAKE						
P	UTAH POWER AND LIGHT CO	CUTLER	BEAR	UTAH	30 000	89 000	127
P	UTAH POWER AND LIGHT CO	HYRUM	BLACKSMITH FORK	UTAH	2 000	6 500	256
M	HYRUM CITY CORP	†HYRUM	BLACKSMITH FORK	UTAH	400	3 000	-
M	UTAH STATE AGR COLLEGE	LOGAN	LOGAN	UTAH	450	1 500	30
P	UTAH POWER AND LIGHT CO	†LOGAN	LOGAN	UTAH	2 000	12 000	213
M	LOGAN CITY OF	LOGAN CITY	LOGAN	UTAH	1 400	6 600	98
P	UTAH POWER AND LIGHT CO	†ONEIDA	BEAR	IDAHO	30 000	53 000	145
P	UTAH POWER AND LIGHT CO	COVE	BEAR	IDAHO	7 500	24 000	93
P	UTAH POWER AND LIGHT CO	GRACE	BEAR	IDAHO	44 000	120 000	525
P	UTAH POWER AND LIGHT CO	†SODA	BEAR	IDAHO	14 000	26 000	79
M	SODA SPRINGS CITY OF	SODA SPRINGS	SODA CR	IDAHO	680	3 600	-
P	UTAH POWER AND LIGHT CO	†PARIS	PARIS CR	IDAHO	650	2 900	346
P	SWAN CREEK ELECTRIC CO	SWAN CREEK	SWAN CR	UTAH	276	1 600	-
P	CALIF PACIFIC UTIL CO	†COKEVILLE	PINE CR	WYO	350	1 000	120
M	BRIGHAM CITY CORPORATION	BRIGHAM CITY	BOX ELDER CR	UTAH	1 200	5 800	575
P	UTAH POWER AND LIGHT CO	PIONEER	OGDEN	UTAH	5 000	23 000	423
P	UTAH POWER AND LIGHT CO	RIVERDALE	WEBER	UTAH	3 750	13 000	201
P	UTAH POWER AND LIGHT CO	†WEBER	WEBER	UTAH	2 500	24 000	184
F	BUREAU OF RECLAMATION	GATEWAY	WEBER	UTAH	4 275	28 600	150
F	BUREAU OF RECLAMATION	WANSHIP	WEBER	UTAH	1 425	5 700	116
P	UTAH POWER AND LIGHT CO	†UPPER MILL CREEK	MILL CR	UTAH	300	1 400	599
P	UTAH POWER AND LIGHT CO	GRANITE	BIG COTTONWOOD CR	UTAH	1 500	6 000	470
P	UTAH POWER AND LIGHT CO	†STAIRS	BIG COTTONWOOD CR	UTAH	1 000	5 000	370
M	MURRAY CITY OF	GRANITE	LIT COTTONWOOD CR	UTAH	1 500	4 800	565
P	UTAH POWER AND LIGHT CO	†UPPER AMERICAN F	AMERICAN FORK	UTAH	950	5 000	574
P	UTAH POWER AND LIGHT CO	†ALPINE	DRY CR	UTAH	1 750	4 000	1924
P	UTAH POWER AND LIGHT CO	OLMSTEAD	PROVO	UTAH	12 700	58 000	340
F	BUREAU OF RECLAMATION	DEER CREEK	PROVO	UTAH	4 950	27 000	142
P	UTAH POWER AND LIGHT CO	SNAKE CREEK	SNAKE CR	UTAH	1 180	3 700	752
M	HEBER LIGHT AND PWR PLANT	†SNAKE CREEK	SNAKE CR	UTAH	800	4 500	1895
M	HEBER LIGHT AND PWR PLANT	HEBER	PROVO	UTAH	600	4 400	-
M	SPRINGVILLE MUN CORP	SPRING CREEK	SPRING CR	UTAH	120	800	-
M	SPRINGVILLE MUN CORP	HOBBLE CREEK	HOBBLE CR	UTAH	300	1 400	-
M	SPRINGVILLE MUN CORP	BARTHOLOMEW	BARTHOLOMEW CR	UTAH	500	2 400	-
M	STRAWBERRY WTR USERS ASSN	LOWER	SPANISH FORK	UTAH	250	1 500	-
M	STRAWBERRY WTR USERS ASSN	UPPER	SPANISH FORK	UTAH	900	6 400	-
M	STRAWBERRY WTR USERS ASSN	PAYSON	PETEETNEET CR	UTAH	400	2 300	-
P	UTAH POWER AND LIGHT CO	†SANTAQUIN	SUMMIT CR	UTAH	880	2 800	656
					182 436	592 200	
M	LITTLE SALT LAKE PAROWAN CITY CORPORATION	†PAROWAN	CENTER CR	UTAH	1 050	2 200	-
					1 050	2 200	
M	BEAVER						
P	BEAVER CITY CORPORATION	†BEAVER	BEAVER	UTAH	720	4 500	-
P	TELLURIDE POWER CO	†LOWER BEAVER	BEAVER	UTAH	600	4 800	485
P	TELLURIDE POWER CO	†UPPER BEAVER	BEAVER	UTAH	2 400	11 000	1100
					3 720	20 300	
M	SEVIER LAKE						
M	MANTI CITY LIGHT AND PWR	†MANTI	MANTI CR	UTAH	520	2 900	-
M	EPHRAIM CITY OF	†NO 1	CITY CR	UTAH	150	800	1370
M	EPHRAIM CITY OF	NO 2	CITY CR	UTAH	210	1 000	-
M	MT PLEASANT CITY CORP	LOWER	PLEASANT CR	UTAH	150	900	-
M	MT PLEASANT CITY CORP	UPPER	PLEASANT CR	UTAH	175	1 000	-
P	FAIRVIEW CITY CORP	UPPER AND LOWER	COTTONWOOD CR	UTAH	160	800	-
M	TELLURIDE POWER CO	FOUNTAIN GREEN	BIG SPRINGS	UTAH	320	1 500	200
M	MONROE CITY CORP	†LOWER MONROE	MONROE CR	UTAH	100	400	-
M	MONROE CITY CORP	†UPPER MONROE	MONROE CR	UTAH	125	500	-
P	TELLURIDE POWER CO	PANGUITCH	PANGUITCH CR	UTAH	100	180	230
					2 010	9 980	
	<u>GREAT BASIN TOTAL</u>				<u>490 071</u>	<u>1 843 280</u>	
	<u>NORTH PACIFIC</u>						
P	NOOKSACK PUGET SOUND PWR AND LT CO	NOOKSACK	NOOKSACK	WASH	1 500	7 700	228
					1 500	7 700	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	SKAGIT						
I	PUGET SOUND PWR AND LT CO	†BAKER RIVER	BAKER	WASH	39 950*	310 000	254
P	SUPERIOR PORTLAND CEM CO	SUPERIOR	BEAR CR	WASH	2 125	14 000	420
M	PUGET SOUND PWR AND LT CO	†UPPER BAKER	BAKER	WASH	94 400	325 000	287
M	SEATTLE DEPT OF LIGHTING	NEWHALEM	NEWHALEM CR	WASH	2 000	12 000	500
M	SEATTLE DEPT OF LIGHTING	†GORGE	SKAGIT	WASH	134 400	680 000	292
M	SEATTLE DEPT OF LIGHTING	†DIABLO	SKAGIT	WASH	122 400*	812 000	330
M	SEATTLE DEPT OF LIGHTING	†ROSS	SKAGIT	WASH	360 000	700 000	395
					755 275	2 853 000	
P	SNOHOMISH						
P	PUGET SOUND PWR AND LT CO	SNOQUALMIE NO 2	SNOQUALMIE	WASH	29 250	200 000	287
	PUGET SOUND PWR AND LT CO	SNOQUALMIE NO 1	SNOQUALMIE	WASH	12 440	67 500	257
					41 690	267 500	
M	CEDAR						
	SEATTLE DEPT OF LIGHTING	CEDAR FALLS	CEDAR	WASH	22 856	110 000	630
					22 856	110 000	
P	PUYALLUP						
P	PUGET SOUND PWR AND LT CO	WHITE RIVER	WHITE	WASH	70 000	314 000	489
	PUGET SOUND PWR AND LT CO	ELECTRON	PUYALLUP	WASH	25 500	170 000	874
					95 500	484 000	
M	NISQUALLY						
M	CENTRALIA CITY OF	CENTRALIA	NISQUALLY	WASH	9 000	78 000	208
M	TACOMA DEPT OF PUB UTILS	†LA GRANDE	NISQUALLY	WASH	64 400*	360 000	419
F	TACOMA DEPT OF PUB UTILS	†ALDER	NISQUALLY	WASH	50 000	200 000	265
	MT RAINIER NATIONAL PARK	LONGMIRE	PARADISE	WASH	800	1 300	486
					124 200	639 300	
M	HOOD CANAL						
M	TACOMA DEPT OF PUB UTILS	CUSHMAN NO 2	N FK SKOKOMISH	WASH	81 000	200 000	480
	TACOMA DEPT OF PUB UTILS	CUSHMAN NO 1	N FK SKOKOMISH	WASH	43 000	100 000	255
					124 000	300 000	
I	ELWHA						
I	CROWN ZELLERBACH CORP	ELWHA	ELWHA	WASH	12 000	60 000	104
	CROWN ZELLERBACH CORP	†GLINES CANYON	ELWHA	WASH	12 000	80 000	192
					24 000	140 000	
M	QUINAULT						
	QUINAULT LIGHT COMPANY	†QUINAULT	ZEIGLER CR	WASH	250	600	876
					250	600	
	COLUMBIA BASIN						
P	LEWIS						
P	PACIFIC PWR AND LT CO	†MERWIN	LEWIS	WASH	136 000*	540 000	185
P	PACIFIC PWR AND LT CO	†YALE	LEWIS	WASH	108 000	530 000	250
M	COWLITZ COUNTY PUD NO 1	†SWIFT NO 2	LEWIS	WASH	70 000	262 300	153
P	PACIFIC PWR AND LT CO	†SWIFT NO 1	LEWIS	WASH	204 000	709 000	396
					518 000	2 041 300	
P	WILLAMETTE						
P	PORTLAND GENERAL ELEC CO	STATION M	CLACKAMUS	OREG	19 135*	95 000	82
P	PORTLAND GENERAL ELEC CO	STATION G	CLACKAMUS	OREG	34 450	166 000	133
P	PORTLAND GENERAL ELEC CO	†NORTH FORK	CLACKAMUS	OREG	38 400	186 000	132
P	PORTLAND GENERAL ELEC CO	†STATION P	CLACKAMUS	OREG	51 000	220 000	925
I	PUBLISHERS PAPER CO	OREGON CITY	WILLAMETTE	OREG	1 800	14 000	40
I	PUBLISHERS PAPER CO	OREGON CITY	WILLAMETTE	OREG	750	400	-
M	MCMINNVILLE CITY OF	MCMINNVILLE	BAKER CR	OREG	200	400	230
I	CROWN ZELLERBACH CORP	WEST LINN	WILLAMETTE	OREG	13 900	30 000	44
P	PORTLAND GENERAL ELEC CO	T W SULLIVAN	WILLAMETTE	OREG	15 400	90 000	40
P	PACIFIC PWR AND LT CO	STAYTON	N SANTIAM	OREG	600	4 000	15
F	CORPS OF ENGINEERS	BIG CLIFF	N SANTIAM	OREG	18 000	100 000	97
F	CORPS OF ENGINEERS	DETROIT	N SANTIAM	OREG	100 000	380 000	367
P	PACIFIC PWR AND LT CO	ALBANY	S SANTIAM	OREG	800	3 700	36
P	PACIFIC PWR AND LT CO	LEBANON	S SANTIAM	OREG	144	500	10
M	EUGENE CITY OF	WALTERVILLE	MCKENZIE	OREG	8 000	79 000	56
M	EUGENE CITY OF	LEABURG	MCKENZIE	OREG	13 500	100 000	90
F	CORPS OF ENGINEERS	DEXTER	M FK WILLAMETTE	OREG	15 000	90 000	55
F	CORPS OF ENGINEERS	LOOKOUT POINT	M FK WILLAMETTE	OREG	120 000	310 000	233
					451 079	1 869 000	
P	WASHOUGAL						
	WESTERN LT AND PWR CO	WASHOUGAL	WASHOUGAL	WASH	750	4 500	
					750	4 500	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS I/	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	SANDY PORTLAND GENERAL ELEC CO	STATION O	BULL RUN	OREG	21 000 21 000	93 000 93 000	328
F	COLUMBIA MAIN STREAM CORPS OF ENGINEERS	BONNEVILLE	COLUMBIA	OREG	522 400* 522 400	4 400 000 4 400 000	66
P	WHITE SALMON PACIFIC PWR LT CO	CONDIT	WHITE SALMON	WASH	9 600 9 600	95 000 95 000	178
P	HOOD PACIFIC PWR AND LT CO	POWERDALE	HOOD	OREG	6 000	48 000	209
I	OREGON LUMBER COMPANY	DEE PLANT	HOOD	OREG	150 6 150	300 48 300	-
F	COLUMBIA MAIN STREAM CORPS OF ENGINEERS	THE DALLES	COLUMBIA	WASH	813 000* 813 000	6 760 000 6 760 000	88
P	DESCHUTES PACIFIC PWR AND LT CO	TYGH VALLEY	WHITE	OREG	2 250	13 000	150
P	PORTLAND GENERAL ELEC CO	†PELTON	DESCHUTES	OREG	108 000	394 000	151
F	BUREAU OF RECLAMATION	COVE NO 3	CROOKED	OREG	1 500	13 500	31
P	PACIFIC PWR AND LT CO	†COVE NO 1 AND 2	CROOKED	OREG	1 250	11 000	31
P	PACIFIC PWR AND LT CO	CLINE FALLS	DESCHUTES	OREG	1 000	5 300	43
P	PACIFIC PWR AND LT CO	BEND	DESCHUTES	OREG	1 110 115 110	7 500 444 300	17
P	JOHN DAY CALIF PACIFIC UTIL CO	†FREMONT	LOST CR	OREG	1 100 1 100	4 100 4 100	1067
F	COLUMBIA MAIN STREAM CORPS OF ENGINEERS	M McNARY	COLUMBIA	OREG	986 000* 986 000	7 000 000 7 000 000	81
P	WALLA WALLA THE WASHINGTON WTR PWR CO	†LEWISTON	CLEARWATER	IDAHO	10 000	81 000	35
M	MILTON FREEWATER EL UTIL	MILTON UPPER	WALLA WALLA	OREG	1 000 11 000	9 000 90 000	205
P	SNAKE THE WASHINGTON WTR PWR CO	†GRANGEVILLE	S FK CLEARWATER	IDAHO	1 000	4 600	60
P	PACIFIC PWR AND LT CO	†WALLOWA FALLS	E FK WALLOWA	OREG	800	8 000	1187
P	CALIF PACIFIC UTIL CO	†COVE	MILL CR	OREG	300	1 200	875
P	CALIF PACIFIC UTIL CO	MORGAN LAKE	SHEEP CR	OREG	380	500	1146
P	IDAHO POWER CO	†BROWNLEE	SNAKE	IDAHO	360 400	2 450 000	277
P	CALIF PACIFIC UTIL CO	†ROCK CREEK	ROCK CR	OREG	800	4 900	936
M	BAKER CITY OF	BAKER	GOODRICH LAKE	OREG	120	1 500	744
P	CALIF PACIFIC UTIL CO	SUMPTER	POWDER	OREG	120		246
F	BUREAU OF RECLAMATION	BLACK CANYON	PAYETTE	IDAHO	8 000	74 000	93
P	IDAHO POWER CO	CASCADE	N FK PAYETTE	IDAHO	300	2 700	37
F	BUREAU OF RECLAMATION	BOISE RIVER	BOISE	IDAHO	1 500	7 000	31
P	ATLANTA POWER CO	ATLANTA	M FK BOISE	IDAHO	150	200	98
F	BUREAU OF RECLAMATION	ANDERSON RANCH	S FK BOISE	IDAHO	27 000	140 000	330
P	IDAHO POWER CO	†SWAN FALLS	SNAKE	IDAHO	10 265	97 000	24
P	IDAHO POWER CO	LOWER MALAD	MALAD	IDAHO	13 500	110 000	161
P	IDAHO POWER CO	UPPER MALAD	MALAD	IDAHO	7 200	65 000	129
P	IDAHO POWER CO	†C J STRIKE	SNAKE	IDAHO	82 800	540 000	88
P	IDAHO POWER CO	†BLISS	SNAKE	IDAHO	75 000	414 000	70
P	IDAHO POWER CO	†LOWER SALMON	SNAKE	IDAHO	60 000	288 000	59
P	IDAHO POWER CO	UPPER SALMON	SNAKE	IDAHO	34 500	317 000	45
P	IDAHO POWER CO	THOUSAND SPRINGS	SPRINGS	IDAHO	8 000	64 000	182
P	IDAHO POWER CO	CLEAR LAKE	SPRINGS	IDAHO	2 500	18 000	79
P	IDAHO POWER CO	SHOSHONE FALLS	SNAKE	IDAHO	10 880	101 000	214
P	IDAHO POWER CO	†TWIN FALLS	SNAKE	IDAHO	13 500	77 000	147
F	BUREAU OF RECLAMATION	MINIDOKA	SNAKE	IDAHO	13 400	97 000	48
P	IDAHO POWER CO	AMERICAN FALLS	SNAKE	IDAHO	27 500	148 000	49
P	CALIF PACIFIC UTIL CO	†MALAD CITY	BIRCH CR	IDAHO	200	1 500	510
M	IDAHO FALLS CITY OF	LOWER HYDRO NO 4	SNAKE	IDAHO	3 000	24 000	20
M	IDAHO FALLS CITY OF	CITY	SNAKE	IDAHO	2 000	14 000	22
M	IDAHO FALLS CITY OF	UPPER HYDRO NO 2	SNAKE	IDAHO	2 400	16 000	21
P	TETON VALLEY PWR MILL CO	FELT	TETON	IDAHO	1 870	9 000	90
P	UTAH POWER AND LIGHT CO	ST ANTHONY	HENRYS FORK	IDAHO	500	3 600	10
P	UTAH POWER AND LIGHT CO	ASHTON	HENRYS FORK	IDAHO	5 800	31 000	48
F	BUREAU OF RECLAMATION	PALISADES	SNAKE	IDAHO	114 000	557 000	245
M	LOWER VAL PWR AND LT INC	FREEDOM	SALT	WYO	600	2 300	-
M	LOWER VAL PWR AND LT INC	†STRAWBERRY	STRAWBERRY CR	WYO	1 500	8 000	512
M	LOWER VAL PWR AND LT CO	†AFTON LOWER	SWIFT CR	WYO	180	-	68

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
M	SNAKE CONFD						
M	LOWER VAL PWR AND LT CO	†AFTON UPPER	SWIFT CR	WYO	800	2 700	193
	LOWER VAL PWR AND LT CO	†JACKSON NO 1	FLAT CR	WYO	455	1 400	136
					893 220	5 701 100	
F	YAKIMA						
F	BUREAU OF RECLAMATION	CHANDLER	YAKIMA	WASH	12 000	74 000	121
F	WAPATO IRRIGATION DIST	DROP NO 2	YAKIMA	WASH	2 500	6 000	-
P	WAPATO IRRIGATION DIST	DROP NO 3	YAKIMA	WASH	1 700	3 000	-
P	PACIFIC PWR AND LT CO	NACHES HYDRO	NACHES	WASH	6 370	35 000	149
P	PACIFIC PWR AND LT CO	NACHES DROP	NACHES	WASH	1 400	9 600	54
F	BUREAU OF RECLAMATION	ROZA	YAKIMA	WASH	11 250	80 000	160
					35 220	207 600	
M	COLUMBIA MAIN STREAM						
M	GRANT COUNTY PUD NO 2	†PRIEST RAPIDS	COLUMBIA	WASH	236 550	1 350 000	82
	CHELAN COUNTY PUD NO 1	†ROCK ISLAND	COLUMBIA	WASH	213 325*	1 963 000	49
					449 875	3 313 000	
M	WENATCHEE						
	CHELAN COUNTY PUD NO 1	DRYDEN	WENATCHIE	WASH	2 450	14 000	55
					2 450	14 000	
M	CHELAN						
	CHELAN COUNTY PUD NO 1	†CHELAN	CHELAN	WASH	48 000	400 000	409
					48 000	400 000	
M	OKANOGAN						
	OKANOGAN COUNTY PUD NO 1	OROVILLE	SIMILKAMEEN	WASH	3 200	19 000	78
					3 200	19 000	
F	COLUMBIA MAIN STREAM						
F	CORPS OF ENGINEERS	CHIEF JOSEPH	COLUMBIA	WASH	1 028 800*	8 320 000	173
	BUREAU OF RECLAMATION	GRAND COULEE	COLUMBIA	WASH	1 974 000*	14 900 000	341
					3 002 800	23 220 000	
P	SPOKANE						
P	THE WASHINGTON WTR PWR CO	LITTLE FALLS	SPOKANE	WASH	32 000	210 000	71
P	THE WASHINGTON WTR PWR CO	LONG LAKE	SPOKANE	WASH	70 000	464 000	173
P	THE WASHINGTON WTR PWR CO	NINE MILE	SPOKANE	WASH	12 000	116 000	64
P	THE WASHINGTON WTR PWR CO	MONROE STREET	SPOKANE	WASH	7 200	60 000	70
P	THE WASHINGTON WTR PWR CO	UPPER FALLS	SPOKANE	WASH	10 000	80 000	62
M	SPOKANE CITY OF WATER DIV	SPOKANE	SPOKANE	WASH	3 900	31 000	35
P	THE WASHINGTON WTR PWR CO	POST FALLS	SPOKANE	IDAHO	11 250	81 000	55
P	CITIZENS UTILITIES CO	†WALLACE	PLACER CR	IDAHO	240	-	312
I	HECLA MINING CO	HECLA MINE	CANYON CR	IDAHO	250	700	256
					146 840	1 043 612	
P	COLVILLE						
	THE WASHINGTON WTR PWR CO	MEYERS FALLS	COLVILLE	WASH	1 200	9 000	125
					1 200	9 000	
M	CLARK FORK						
I	PEND OREILLE PUD NO 1	†BOX CANYON	PEND OREILLE	WASH	60 000	464 000	41
M	PEND OREILLE MINES MTL CO	†METALINE FALLS	PEND OREILLE	WASH	3 600	6 800	30
M	PEND OREILLE PUD NO 1	DALKENA	CALISPELL CR	WASH	560	2 300	309
F	CORPS OF ENGINEERS	ALBENI FALLS	PEND OREILLE	IDAHO	42 600	210 000	28
P	THE WASHINGTON WTR PWR CO	†CABINET GORGE	CLARK FORK	IDAHO	200 000	1 100 000	97
P	THE WASHINGTON WTR PWR CO	†NOXON RAPIDS	CLARK FORK	MONT	252 000	1 300 000	160
P	THE MONTANA POWER CO	†THOMPSON FALLS	CLARK FORK	MONT	30 000	310 000	60
P	THE MONTANA POWER CO	†KERR	FLATHEAD	MONT	168 000	1 060 000	187
P	PACIFIC PWR AND LT CO	BIG FORK	SWAN	MONT	4 150	31 000	105
F	BUREAU OF RECLAMATION	HUNGRY HORSE	S FK FLATHEAD	MONT	285 000	827 000	477
F	BUREAU OF INDIAN AFFAIRS	BIG CREEK	BIG CR	MONT	360	1 100	585
P	THE MONTANA POWER CO	MILLTOWN	CLARK FORK	MONT	3 040	20 000	32
P	THE MONTANA POWER CO	†FLINT CREEK	FLINT CR	MONT	1 100	8 000	717
					1 050 410	5 340 200	
M	KOOTENAI						
M	BONNERS FERRY VILLAGE OF	†MOYIE NO 2	MOYIE	IDAHO	2 000	8 000	200
P	BONNERS FERRY VILLAGE OF	MOYIE NO 1	MOYIE	IDAHO	380	-	60
	MONTANA LT AND PWR CO	TROY	LAKE CR	MONT	4 500	25 000	161
					6 880	33 000	
	<u>COLUMBIA BASIN TOTAL</u>				<u>9 095 284</u>	<u>62 149 100</u>	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	UMPQUA						
P	THE CALIF OREGON PWR CO	WINCHESTER	N UMPQUA	OREG	500	3 900	14
P	THE CALIF OREGON PWR CO	†SODA SPRINGS	N UMPQUA	OREG	11 000	75 000	114
P	THE CALIF OREGON PWR CO	†SLIDE CREEK	N UMPQUA	OREG	18 000	110 000	179
P	THE CALIF OREGON PWR CO	†TOKETEE FALLS	N UMPQUA	OREG	42 500	267 000	448
P	THE CALIF OREGON PWR CO	†FISH CREEK	N UMPQUA	OREG	11 000	68 000	1032
P	THE CALIF OREGON PWR CO	†CLEARWATER NO 2	CLEARWATER	OREG	26 000	88 000	760
P	THE CALIF OREGON PWR CO	†CLEARWATER NO 1	CLEARWATER	OREG	15 000	75 000	651
P	THE CALIF OREGON PWR CO	†LEMOLO NO 2	N UMPQUA	OREG	33 000	210 000	728
P	THE CALIF OREGON PWR CO	†LEMOLO NO 1	N UMPQUA	OREG	29 000	210 000	756
					186 000	1 106 900	
I	ROGUE						
P	IDEAL CEMENT CO	GOLD HILL	ROGUE	OREG	2 500	11 000	-
P	THE CALIF OREGON PWR CO	GOLD RAY	ROGUE	OREG	1 500	10 500	16
M	ASHLAND CITY OF	ASHLAND	ASHLAND CR	OREG	300	2 500	425
P	THE CALIF OREGON PWR CO	EAGLE POINT	LITTLE BUTTE CR	OREG	2 813	20 000	-
P	THE CALIF OREGON PWR CO	PROSPECT NO 3	S FK ROGUE	OREG	7 200	50 000	720
P	THE CALIF OREGON PWR CO	PROSPECT NO 1	N FK ROGUE	OREG	3 760	25 000	495
P	THE CALIF OREGON PWR CO	PROSPECT NO 2	N FK ROGUE	OREG	32 000	276 000	606
P	THE CALIF OREGON PWR CO	PROSPECT NO 4	N FK ROGUE	OREG	1 000	8 200	112
					51 073	403 200	
	<u>NORTH PACIFIC TOTAL</u>				<u>10 521 628</u>	<u>68 461 300</u>	
	<u>SOUTH PACIFIC</u>						
I	KLAMATH						
P	SWANSON MINING CORP	†SALYER	TRINITY	CALIF	1 600	170	-
P	PACIFIC GAS AND ELEC CO	†JUNCTION CITY	TRINITY	CALIF	2 720	10 000	602
P	THE CALIF OREGON PWR CO	FALL CREEK	FALL CR	CALIF	2 200	12 800	730
P	THE CALIF OREGON PWR CO	COPCO NO 2	KLAMATH	CALIF	27 000	130 000	151
P	THE CALIF OREGON PWR CO	COPCO NO 1	KLAMATH	CALIF	20 000	126 000	122
P	THE CALIF OREGON PWR CO	†BIG BEND	KLAMATH	OREG	79 900	368 000	463
P	THE CALIF OREGON PWR CO	WEST SIDE	KLAMATH	OREG	600	6 000	48
P	THE CALIF OREGON PWR CO	EAST SIDE	KLAMATH	OREG	3 200	20 000	49
					137 220	672 970	
P	RUSSIAN						
P	PACIFIC GAS AND ELEC CO	†POTTER VALLEY	RUSSIAN	CALIF	9 040	63 500	476
					9 040	63 500	
	<u>SACRAMENTO BASIN</u>						
F	AMERICAN						
P	BUREAU OF RECLAMATION	NIMBUS	AMERICAN	CALIF	13 500	70 800	41
P	BUREAU OF RECLAMATION	FOLSOM	AMERICAN	CALIF	162 000	658 000	340
P	PACIFIC GAS AND ELEC CO	†AMERICAN RIVER	S FK AMERICAN	CALIF	5 477	30 000	573
P	PACIFIC GAS AND ELEC CO	†EL DORADO	S FK AMERICAN	CALIF	20 000	106 000	1910
P	PACIFIC GAS AND ELEC CO	WISE	AUBURN RAVINE	CALIF	12 000	91 000	519
P	PACIFIC GAS AND ELEC CO	HALSEY	DRY CR	CALIF	12 000	67 000	331
					224 977	1 022 800	
P	FEATHER RIVER						
P	PACIFIC GAS AND ELEC CO	DUTCH FLAT	BEAR	CALIF	22 000	155 000	643
P	PACIFIC GAS AND ELEC CO	ALTA	BEAR	CALIF	2 000	6 400	660
P	PACIFIC GAS AND ELEC CO	DRUM	BEAR	CALIF	48 000	293 000	1375
P	PACIFIC GAS AND ELEC CO	DEER CREEK	DEER CR	CALIF	5 500	31 000	837
P	PACIFIC GAS AND ELEC CO	†NARROWS	YUBA	CALIF	9 350	89 000	240
P	PACIFIC GAS AND ELEC CO	SPAULDING NO 2	S FK YUBA	CALIF	3 370	20 000	344
P	PACIFIC GAS AND ELEC CO	SPAULDING NO 1	S FK YUBA	CALIF	6 400	42 000	197
P	PACIFIC GAS AND ELEC CO	SPAULDING NO 3	S FK YUBA	CALIF	6 300	29 000	318
P	PACIFIC GAS AND ELEC CO	COLGATE	N FK YUBA	CALIF	24 000	154 000	820
P	PACIFIC GAS AND ELEC CO	†BULLARDS BAR	N FK YUBA	CALIF	6 500	39 000	166
P	PACIFIC GAS AND ELEC CO	COAL CANYON	DRY CR	CALIF	800	7 500	350
P	PACIFIC GAS AND ELEC CO	LIME SADDLE	W BR N FK FEATHER	CALIF	1 600	11 000	462
P	PACIFIC GAS AND ELEC CO	BIG BEND NO 1	N FK FEATHER	CALIF	52 800	454 000	465
P	PACIFIC GAS AND ELEC CO	†POE	N FK FEATHER	CALIF	124 200	484 000	477
P	PACIFIC GAS AND ELEC CO	†CRESTA	N FK FEATHER	CALIF	67 500	300 000	290
P	PACIFIC GAS AND ELEC CO	†ROCK CREEK	N FK FEATHER	CALIF	113 400	454 000	535
P	PACIFIC GAS AND ELEC CO	†BUCKS CREEK	N FK FEATHER	CALIF	66 000	200 000	2558
P	PACIFIC GAS AND ELEC CO	†CARIBOU NO 1	N FK FEATHER	CALIF	75 000	600 000	1150
P	PACIFIC GAS AND ELEC CO	†CARIBOU NO 2	N FK FEATHER	CALIF	109 800	386 000	1150
P	PACIFIC GAS AND ELEC CO	†BUTT VALLEY	BUTT CREEK	CALIF	36 000	108 000	342
P	PACIFIC GAS AND ELEC CO	HAMILTON BRANCH	HAMILTON BRANCH	CALIF	5 150	16 000	409
					785 670	3 878 900	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P P	BUTTE CREEK PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO	CENTERVILLE DE SABLE	BIG BUTTE CR BIG BUTTE CR	CALIF CALIF	6 400 13 000 19 400	36 000 83 000 119 000	577 1531
P P P P	BATTLE CREEK PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO	COLEMAN INSKIP SOUTH VOLTA	BATTLE CR S FK BATTLE CR S FK BATTLE CR MILLSEAT CR	CALIF CALIF CALIF CALIF	13 800 6 000 4 000 6 400 30 200	58 000 40 000 36 000 46 000 180 000	482 378 516 1254
P P	COW CREEK PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO	COW CREEK KILARC	COW CR N FK COW CR	CALIF CALIF	1 200 3 000 4 200	12 000 22 000 34 000	715 1150
F F	SACRAMENTO MAIN STREAM BUREAU OF RECLAMATION BUREAU OF RECLAMATION	KESWICK SHASTA	SACRAMENTO SACRAMENTO	CALIF CALIF	75 000 379 000* 454 000	350 000 1 720 000 2 070 000	101 480
P P P P P P	PIT PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO	†PIT NO 5 †PIT NO 4 †PIT NO 3 HAT CREEK NO 2 HAT CREEK NO 1 PIT NO 1	PIT PIT PIT HAT CR HAT CR PIT	CALIF CALIF CALIF CALIF CALIF CALIF	128 000 90 000 72 360 10 000 10 000 56 000 366 360	830 000 540 000 382 000 51 000 45 000 290 000 2 138 000	615 382 315 198 217 454
<u>SACRAMENTO BASIN TOTAL</u>					<u>1 884 807</u>	<u>9 442 700</u>	
<u>SAN JOAQUIN BASIN</u>							
M P P P P P	MOKELUMNE EAST BAY MUN UTILITY DIST PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO	PARDEE †NEW ELECTRA †WEST POINT †TIGER CREEK †SALT SPRINGS †BEAR RIVER	MOKELUMNE MOKELUMNE N FK MOKELUMNE N FK MOKELUMNE N FK MOKELUMNE N FK MOKELUMNE	CALIF CALIF CALIF CALIF CALIF CALIF	15 000 89 100 13 600 51 000 9 350 29 700 207 750	81 000 447 000 91 000 360 000 50 000 160 000 1 189 000	310 1268 312 1219 255 2109
M P P P P P M M	STANISLAUS OAKDALE S S JOAQUIN I D PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO OAKDALE S S JOAQUIN I D OAKDALE S S JOAQUIN I D	†TULLOCH †MELONES ANGELS †MURPHYS PHOENIX †STANISLAUS †SPRING GAP †BEARDSLEY †DONNELLS	STANISLAUS STANISLAUS ANGELS CR ANGELS CR SULLIVAN CR STANISLAUS M FK STANISLAUS M FK STANISLAUS M FK STANISLAUS	CALIF CALIF CALIF CALIF CALIF CALIF CALIF CALIF	17 100 24 300 1 400 3 600 1 600 28 900 6 000 9 990 54 000 146 890	100 000 132 000 6 200 16 000 10 000 312 000 48 000 51 500 279 000 954 700	145 230 448 685 1087 1499 1865 264 1484
M M M M	TUOLUMNE TURLOCK MODESTO IRR DIST TURLOCK MODESTO IRR DIST SAN FRANCISCO UTILS COMM SAN FRANCISCO UTILS COMM	LA GRANGE DON PEDRO MOCCASIN CREEK EARLY INTAKE	TUOLUMNE TUOLUMNE MOCCASIN CR CHERRY CR	CALIF CALIF CALIF CALIF	3 900 26 990 70 000 3 600 104 490	18 000 200 000 520 000 28 000 766 000	117 261 1316 343
P M F	MERCED PACIFIC GAS AND ELEC CO MERCED IRRIGATION DIST NATIONAL PARK SERVICE	MERCED FALLS †EXCHEQUER YOSEMITE	MERCED MERCED MERCED	CALIF CALIF CALIF	3 440 31 250 2 000 36 690	14 000 130 000 11 000 155 000	27 300 336
P	SAN JOAQUIN MAIN STREAM PACIFIC GAS AND ELEC CO	†KERCKHOFF	SAN JOAQUIN	CALIF	34 080 34 080	280 000 280 000	350
P P P P P	WILLOW CREEK PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO PACIFIC GAS AND ELEC CO	†A G WISHON †SAN JOAQUIN NO 1 †SAN JOAQUIN NO 2 †SAN JOAQUIN NO 3 †CRANE VALLEY	N FK WILLOW CR N FK WILLOW CR N FK WILLOW CR N FK WILLOW CR N FK WILLOW CR	CALIF CALIF CALIF CALIF CALIF	12 800 340 2 400 4 000 800 20 340	86 000 1 700 14 000 17 500 3 200 122 400	1412 43 307 405 90

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS	DRAINAGE AND RIVER BASIN NAME OF OWNER	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
P	SAN JOAQUIN MAIN STREAM						
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 4	SAN JOAQUIN	CALIF	84 650*	390 000	416
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 3	SAN JOAQUIN	CALIF	107 100*	744 000	827
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 8	SAN JOAQUIN	CALIF	58 850*	310 000	713
					<u>250 600</u>	<u>1 444 000</u>	
P	BIG CREEK						
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 2A	BIG CR	CALIF	80 000	395 000	2418
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 2	BIG CR	CALIF	57 750	507 000	1858
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 1	BIG CR	CALIF	67 000	584 000	2131
P	SOUTHERN CALIF EDISON CO	†PORTAL	BIG CR	CALIF	10 000	56 000	230
					<u>214 750</u>	<u>1 542 000</u>	
	<u>SAN JOAQUIN BASIN TOTAL</u>				<u>1 015 590</u>	<u>6 453 100</u>	
P	TULARE LAKE						
P	PACIFIC GAS AND ELEC CO	†BALCH	N FK KINGS	CALIF	128 200	539 000	2389
P	PACIFIC GAS AND ELEC CO	†HAAS	N FK KINGS	CALIF	135 000	486 000	2444
P	SOUTHERN CALIF EDISON CO	KAWEAH NO 2	KAWEAH	CALIF	1 800	13 000	367
P	SOUTHERN CALIF EDISON CO	KAWEAH NO 1	KAWEAH	CALIF	2 250	16 000	1326
P	SOUTHERN CALIF EDISON CO	KAWEAH NO 3	KAWEAH	CALIF	2 800	25 000	775
P	SOUTHERN CALIF EDISON CO	†LOWER TULE	TULE	CALIF	2 000	19 000	1140
P	PACIFIC GAS AND ELEC CO	†TULE RIVER	M FK TULE	CALIF	4 800	26 500	1532
					<u>276 850</u>	<u>1 124 500</u>	
P	BUENA VISTA LAKE						
P	PACIFIC GAS AND ELEC CO	†KERN CANYON	KERN	CALIF	8 480	60 000	262
P	SOUTHERN CALIF EDISON CO	†KERN RIVER NO 1	KERN	CALIF	16 000	170 000	877
P	SOUTHERN CALIF EDISON CO	†BOREL	KERN	CALIF	9 200	64 000	270
P	SOUTHERN CALIF EDISON CO	KERN RIVER NO 3	KERN	CALIF	32 000	200 000	821
					<u>65 680</u>	<u>494 000</u>	
M	SAN GABRIEL PASADENA CITY OF	†AZUSA	SAN GABRIEL	CALIF	<u>3 000</u> <u>3 000</u>	<u>10 000</u> <u>10 000</u>	401
P	SANTA ANA						
P	SOUTHERN CALIF EDISON CO	ONTARIO NO 3	SAN ANTONIO CR	CALIF	320	1 100	276
P	SOUTHERN CALIF EDISON CO	ONTARIO NO 1	SAN ANTONIO CR	CALIF	600	4 800	700
P	SOUTHERN CALIF EDISON CO	SIERRA	SAN ANTONIO CR	CALIF	480	4 000	628
P	SOUTHERN CALIF EDISON CO	FONTANA	LYTLE CR	CALIF	1 920	8 800	658
P	SOUTHERN CALIF EDISON CO	†LYTLE CREEK	LYTLE CR	CALIF	400	4 000	472
P	SOUTHERN CALIF EDISON CO	†MILL CREEK NO 1	MILL CR	CALIF	800	4 700	510
P	SOUTHERN CALIF EDISON CO	†MILL CREEK NO 2	MILL CR	CALIF	200	1 500	620
P	SOUTHERN CALIF EDISON CO	†MILL CREEK NO 3	MILL CR	CALIF	1 800	14 000	1911
P	SOUTHERN CALIF EDISON CO	†SANTA ANA NO 3	SANTA ANA	CALIF	1 200	7 000	354
P	SOUTHERN CALIF EDISON CO	†SANTA ANA NO 2	SANTA ANA	CALIF	800	8 000	310
P	SOUTHERN CALIF EDISON CO	†SANTA ANA NO 1	SANTA ANA	CALIF	<u>2 400</u> <u>10 920</u>	<u>18 000</u> <u>75 900</u>	726
M	SAN LUIS REY ESCONDIDO MUTUAL WATER CO	†RINCON POWER	SAN LUIS REY	CALIF	<u>240</u> <u>240</u>	<u>300</u> <u>300</u>	824
M	ESCONDIDO CREEK ESCONDIDO MUTUAL WATER CO	†BEAR VALLEY	ESCONDIDO CR	CALIF	<u>520</u> <u>520</u>	<u>4 800</u> <u>4 800</u>	400
P	SALTON SEA						
P	CALIFORNIA ELEC PWR CO	†SAN GORGONIO NO	SAN GORGONIO CR	CALIF	750	1 500	898
P	CALIFORNIA ELEC PWR CO	†SAN GORGONIO NO	SAN GORGONIO CR	CALIF	<u>1 500</u> <u>2 250</u>	<u>3 000</u> <u>4 500</u>	1773
	<u>SOUTH PACIFIC TOTAL</u>				<u>3 406 117</u>	<u>18 346 270</u>	
	<u>UNITED STATES TOTAL (EXCLUDING ALASKA AND HAWAII)</u>				<u>31 912 843</u>	<u>166 362 500</u>	

SEE FOOTNOTES AT END OF TABLE

TABLE 2 (Contd) - EXISTING By Major Drainages and River Basins

CLASS 1/	DRAINAGE AND RIVER BASIN	NAME OF PLANT	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	NAME OF OWNER						

1/ CLASS OF OWNERSHIP

F - FEDERALLY OWNED PLANT I - INDUSTRIAL PLANT
P - PRIVATELY OWNED PLANT M - NON-FEDERAL PUBLICALLY OWNED PLANT (MUNICIPAL,
UTILITY DISTRICT, OR STATE, INCLUDING COOPERATIVE)

2/ THE FOLLOWING PLANTS HAVE PUMPED-STORAGE UNITS IN ADDITION TO CONVENTIONAL UNITS:

PLANT	PUMPED-STORAGE CAPACITY (KW)	TOTAL CAPACITY (KW)
ROCKY RIVER, CONN.	7,000	31,000
BUCHANAN, TEXAS	12,500	33,750
FLAT IRON 1, 2, & 3, COLORADO	8,500	71,500
HIWASSEE, NORTH CAROLINA	59,500	117,100

* INSTALLATION SHOWN INCLUDES BOTH MAIN AND AUXILIARY GENERATION CAPACITY. SEE TABLE 6 FOR CAPACITY BREAKDOWN.

† OPERATING UNDER FPC LICENSE. FOR SEPARATE LISTING OF LICENSED PLANTS SHOWING PROJECT NUMBERS SEE TABLE 7.

‡ INSTALLED CAPACITY LOCATED IN TWO STATES AS FOLLOWS:

VERNON	-	NEW HAMPSHIRE	16,000 KW	VERMONT	8,400 KW
WILDER	-	NEWHAMPSHIRE	16,200 KW	VERMONT	16,200 KW
HOOVER	-	ARIZONA	669,900 KW	NEVADA	579,900 KW

- DATA NOT AVAILABLE

TABLE 3. - INSTALLED CAPACITY AND AVERAGE ANNUAL GENERATION
OF EXISTING HYDROELECTRIC PLANTS - JANUARY 1, 1960

Totals by Geographic Divisions and States

Division and state	Installed capacity Kw	Avg. annual generation 1000 Kwh	Division and state	Installed capacity Kw	Avg. annual generation 1000 Kwh
United States	31,912,843	166,362,500			
New England	1,522,697	5,875,930	South Atlantic		
Middle Atlantic	2,478,089	14,162,280	Delaware	600	100
East North Central	936,740	4,148,600	Maryland	274,165	1,332,300
West North Central	1,448,267	6,692,050	District of Columbia	3,000	5,000
South Atlantic	3,800,104	13,228,310	Virginia	420,530	1,140,500
East South Central	3,755,508	17,524,800	West Virginia	207,560	1,036,300
West South Central	948,620	3,110,800	North Carolina	1,223,662	4,531,710
Mountain	4,520,988	23,381,060	South Carolina	968,449	2,736,600
Pacific	12,501,830	78,238,670	Georgia	659,477	2,211,600
			Florida	42,661	234,200
New England			East South Central		
Maine	499,656	2,376,000	Kentucky	542,380	2,496,000
New Hampshire	446,396	1,360,200	Tennessee	1,912,788	8,437,600
Vermont	199,935	838,200	Alabama	1,300,340	6,591,200
Massachusetts	229,133	880,530	Mississippi	0	0
Rhode Island	4,317	10,000			
Connecticut	143,260	411,000	West South Central		
Middle Atlantic			Arkansas	390,740	1,203,100
New York	2,033,232	12,282,980	Louisiana	0	0
New Jersey	8,678	48,900	Oklahoma	166,000	640,100
Pennsylvania	436,179	1,830,400	Texas	391,880	1,267,600
East North Central			Mountain		
Ohio	11,924	28,800	Montana	1,150,950	6,460,100
Indiana	32,264	108,900	Idaho	1,250,715	7,380,800
Illinois	41,521	204,000	Wyoming	165,837	697,100
Michigan	424,739	1,855,100	Colorado	254,940	1,045,880
Wisconsin	426,292	1,951,800	New Mexico	24,830	97,700
West North Central			Arizona	982,790	4,657,500
Minnesota	191,075	998,650	Utah	100,826	447,280
Iowa	139,678	820,000	Nevada	590,100	2,594,700
Missouri	298,300	920,000	Pacific		
North Dakota	240,000	1,184,000	Washington	6,272,626	42,319,600
South Dakota	330,046	1,511,800	Oregon	2,427,132	15,787,900
Nebraska	240,258	1,238,100	California	3,802,072	20,131,170
Kansas	5,910	19,500			

**TABLE 4 - INDIVIDUAL EXISTING HYDROELECTRIC PLANTS
WITH PRINCIPAL CHARACTERISTICS - JANUARY 1, 1960**

By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	<u>NEW ENGLAND</u>					
	<u>MAINE</u>					
P	MAINE PUBLIC SERVICE CO	CARIBOU	AROOSTOOK	800	4 500	12
P	MAINE PUBLIC SERVICE CO	SQUA PAN	SQUA PAN STREAM	1 500	800	30
I	ST CROIX PAPER CO	WOODLAND	ST CROIX	1 500	7 500	48
I	ST CROIX PAPER CO	GRAND FALLS	ST CROIX	9 652	48 000	52
P	BANGOR HYDRO ELECTRIC CO	MACHIAS	MACHIAS	350	1 700	25
P	BANGOR HYDRO ELECTRIC CO	EAST MACHIAS	E MACHIAS	1 320	3 600	30
P	BANGOR HYDRO ELECTRIC CO	ELLSWORTH	UNION	8 975*	26 000	60
P	CENTRAL MAINE POWER CO	EAST ORLAND	TODDY POND STREAM	500	1 900	125
M	CITY OF BANGOR ELEC DEPT	BANGOR CITY	PENOBSCOT	650	3 700	10
P	BANGOR HYDRO ELECTRIC CO	VEAZIE	PENOBSCOT	8 400	50 000	17
P	BANGOR HYDRO ELECTRIC CO	ORONO	STILLWATER	2 332	10 000	25
P	BANGOR HYDRO ELECTRIC CO	STILLWATER	STILLWATER	1 975*	7 500	20
I	PENOBSCOT CHEM FIBRE CO	OLD TOWN	PENOBSCOT	5 554	31 000	17
P	BANGOR HYDRO ELECTRIC CO	MILFORD	PENOBSCOT	6 400	55 000	18
P	BANGOR HYDRO ELECTRIC CO	HOWLAND	PISCATAQUIS	1 875	11 000	16
P	CENTRAL MAINE POWER CO	GREENVILLE	WILSON STREAM	576	1 000	85
P	BANGOR HYDRO ELECTRIC CO	STANFORD	PENOBSCOT	3 800	29 000	20
I	GREAT NORTHERN PAPER CO	MATTASEUNK	PENOBSCOT	19 200	110 000	40
P	BANGOR HYDRO ELECTRIC CO	MEDWAY	W BR PENOBSCOT	3 440	31 000	18
I	GREAT NORTHERN PAPER CO	DOLBY	W BR PENOBSCOT	14 100	93 000	49
I	GREAT NORTHERN PAPER CO	MILLINOCKET	W BR PENOBSCOT	8 000	44 000	110
I	GREAT NORTHERN PAPER CO	NORTH TWIN	W BR PENOBSCOT	8 200	27 000	29
I	GREAT NORTHERN PAPER CO	RIPOGENUS	W BR PENOBSCOT	24 300	100 000	186
I	SEABRIGHT WOVEN FELT CO	CAMDEN	MEGUNTICOOK	240	400	-
P	CENTRAL MAINE POWER CO	BELFAST	GOOSE	425	600	103
P	CENTRAL MAINE POWER CO	DAMARISCOTTA	DAMARISCOTTA LAKE	400	1 500	66
I	WARREN S D CO	COPSECOOK	COBBOSSEE POND	300	900	17
I	HUDSON PULP PAPER CO	AUGUSTA	KENNEBEC	375	2 500	22
I	BATES MFG CO	EDWARDS DIVISION	KENNEBEC	3 500	13 000	22
P	CENTRAL MAINE POWER CO	UNION GAS	MESSALONSKEE STR	1 500	3 900	35
P	CENTRAL MAINE POWER CO	AUTOMATIC	MESSALONSKEE STR	800	2 300	23
P	CENTRAL MAINE POWER CO	RICE RIPS	MESSALONSKEE STR	1 600	4 300	42
P	CENTRAL MAINE POWER CO	OAKLAND	MESSALONSKEE STR	2 800	8 000	66
P	CENTRAL MAINE POWER CO	FORT HALIFAX	SEBASTICOOK	1 500	6 400	22
P	CENTRAL MAINE POWER CO	BURNHAM	SEBASTICOOK	1 050	3 000	27
I	COTWOOL MFG CORP	WATERVILLE	KENNEBEC	4 800	24 000	21
I	SCOTT PAPER CO	T AND A MILLS	KENNEBEC	3 730	25 000	23
P	CENTRAL MAINE POWER CO	SHAWMUT	KENNEBEC	4 650	34 000	22
P	CENTRAL MAINE POWER CO	WESTON	KENNEBEC	12 000	74 000	32
M	MADISON ELEC WORKS	NORRIDGEWOCK	SANDY	450	1 300	15
I	SCOTT PAPER CO	ABENAKUS	KENNEBEC	1 650	5 400	42
I	KENNEBEC R PULP AND PAPER	MADISON	KENNEBEC	6 000	52 000	20
P	CENTRAL MAINE POWER CO	WILLIAMS	KENNEBEC	13 000	87 000	42
P	CENTRAL MAINE POWER CO	WYMAN	KENNEBEC	72 000	300 000	138
P	OQUOSSOC LT AND POWER CO	EUSTIS	N BR DEAD	250		12
P	CENTRAL MAINE POWER CO	†HARRIS	KENNEBEC	76 400*	170 000	149
P	CENTRAL MAINE POWER CO	DENNISTOWN	CROCKER POND	100	200	215
P	CENTRAL MAINE POWER CO	BRUNSWICK	ANDROSCOGGIN	1 473	11 000	19
I	PEJEPSCOT PAPER CO	PEJEPSCOT	ANDROSCOGGIN	550	4 000	22
P	CENTRAL MAINE POWER CO	TOPSHAM	ANDROSCOGGIN	900	7 000	14
P	CENTRAL MAINE POWER CO	BRUNSWICK	ANDROSCOGGIN	1 530	5 200	14
I	J P STEVENS AND CO INC	WORUMBO DIVISION	ANDROSCOGGIN	900	3 300	19
P	CENTRAL MAINE POWER CO	NORWAY	PENNESSEEWASSEE	280	200	52
I	PEPPERELL MFG CO	LEWISTON	ANDROSCOGGIN	100	200	35
I	LIBBEY W S CO	LEWISTON	ANDROSCOGGIN	800	2 700	28

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MAINE CONTD						
I	CONTINENTAL MILLS	LEWISTON	ANDROSCOGGIN	1 776	8 600	22
I	BATES MANUFACTURING CO	LEWISTON	ANDROSCOGGIN	4 800	18 500	28
I	BATES MANUFACTURING CO	HILL DIVISION	ANDROSCOGGIN	2 160	9 500	25
I	BATES MANUFACTURING CO	ANDROSCOGGIN	ANDROSCOGGIN	2 782	11 000	25
M	LEWISTON PUBLIC WORKS	LEWISTON	ANDROSCOGGIN	700	3 000	25
P	CENTRAL MAINE POWER CO	ANDROSCOGGIN NO 3	ANDROSCOGGIN	3 600	20 000	31
P	CENTRAL MAINE POWER CO	DEER RIP NO 1	ANDROSCOGGIN	6 540	28 000	31
P	CENTRAL MAINE POWER CO	GULF ISLAND	ANDROSCOGGIN	19 200	120 000	55
I	INTERNATIONAL PAPER CO	LIVERMORE FALLS	ANDROSCOGGIN	3 360	22 000	31
I	INTERNATIONAL PAPER CO	OTIS	ANDROSCOGGIN	2 680	10 000	24
I	INTERNATIONAL PAPER CO	JAY	ANDROSCOGGIN	3 125	16 000	14
I	OXFORD PAPER CO	OXFORD	ANDROSCOGGIN	950	6 100	30
P	RUMFORD FALLS POWER CO	LOWER	ANDROSCOGGIN	12 800	94 000	78
P	RUMFORD FALLS POWER CO	UPPER	ANDROSCOGGIN	25 000	150 000	99
P	OQUOSSOC LT AND POWER CO	KENNEBAGO	KENNEBAGO	350	800	32
I	WARREN S D CO	SMELT HILL	PRESUMPSCOT	900	4 000	14
I	WARREN S D CO	CUMBERLAND	PRESUMPSCOT	600	600	22
I	WARREN S D CO	SACCARAPPA	PRESUMPSCOT	1 350	11 000	28
I	WARREN S D CO	DUNDEE	PRESUMPSCOT	2 400	16 000	51
P	CENTRAL MAINE POWER CO	NORTH GORHAM	PRESUMPSCOT	2 250	12 000	34
I	WARREN S D CO	EEL WEIR	PRESUMPSCOT	1 800	12 000	40
P	CENTRAL MAINE POWER CO	BRIDGTON	WILLET	360	400	50
P	CENTRAL MAINE POWER CO	CATARACT	SACO	6 650	39 000	44
I	SACO REALTY CO	YORK DIVISION	SACO	900	4 700	44
P	CENTRAL MAINE POWER CO	SKELTON	SACO	16 800	94 000	74
P	CENTRAL MAINE POWER CO	BAR MILLS	SACO	4 000	20 000	18
P	CENTRAL MAINE POWER CO	WEST BUXTON	SACO	6 625	24 000	27
P	CENTRAL MAINE POWER CO	BONNY EAGLE	SACO	7 200	39 000	38
P	CORNISH KEZAR FLS L PR CO	KEZAR FALLS	OSSIPEE	350	1 400	16
P	CENTRAL MAINE POWER CO	HIRAM	SACO	2 400	19 000	79
P	PUBLIC SERVICE CO OF N H	FRYEBURG	SACO	640	1 600	13
M	KENNEBUNK LT AND PWR DIST	KENNEBUNK	MOUSAM	150	600	14
M	KENNEBUNK LT AND PWR DIST	WEST KENNEBUNK	MOUSAM	206	400	18
I	YORK UTILITIES CO	OLD FALLS	MOUSAM	1 000	400	62
I	YORK UTILITIES CO	ESTES	MOUSAM	500	800	36
P	CENTRAL MAINE POWER CO	SOUTH BERWICK	SALMON FALLS	1 200	2 800	20
P	CENTRAL MAINE POWER CO	GREAT WORKS	SALMON FALLS	500	1 000	32
P	PUBLIC SERVICE CO OF N H	GREAT FALLS LOWER	SALMON FALLS	1 600	3 300	30
				499 656	2 376 000	
NEW HAMPSHIRE						
I	BROWN CO	SHELBURNE	ANDROSCOGGIN	3 720	14 000	17
I	BROWN CO	GORHAM	ANDROSCOGGIN	4 800	26 000	30
P	PUBLIC SERVICE CO OF N H	GORHAM	ANDROSCOGGIN	2 150	15 000	20
I	BROWN CO	CASCADE	ANDROSCOGGIN	7 200	48 000	45
I	BROWN CO	CROSS POWER	ANDROSCOGGIN	3 180	19 000	23
P	PUBLIC SERVICE CO OF N H	SMITH STATION	ANDROSCOGGIN	15 000	96 000	87
I	BROWN CO	RIVERSIDE	ANDROSCOGGIN	11 400	74 000	65
I	BROWN CO	BERLIN	ANDROSCOGGIN	2 200	14 000	18
P	WHITE MOUNTAIN POWER CO	GOODRICH FALLS	GLEN ELLIS	600	3 000	67
P	PUBLIC SERVICE CO OF N H	DOVER HYDRO	COCHECO	480	800	30
I	WYANDOTTE WORSTED CO	ROCHESTER	COCHECO	100	400	22
P	PUBLIC SERVICE CO OF N H	SALMON FALLS	SALMON FALLS	2 000	6 600	45
P	PUBLIC SERVICE CO OF N H	GREAT FALLS UPPER	SALMON FALLS	2 600	8 000	65
I	SPAULDING FIBER CO INC	NORTH ROCHESTER	SALMON FALLS	250	400	-
I	SPAULDING FIBRE CO INC	MILTON N ROCHESTR	SALMON FALLS	612	1 900	129

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	NEW HAMPSHIRE CONTD					
P	PUBLIC SERVICE CO OF N H	MILTON	SALMON FALLS	172	700	14
I	MINE FALLS DEVELOPMENT	NASHUA MILL	NASHUA	5 040	9 400	36
I	HILLSBOROUGH MILLS	WILTON	SOUHEGAN	600	900	38
I	GREENVILLE MILLS INC	GREENVILLE	SOUHEGAN	750	800	60
P	GREENVILLE EL LT CO	GREENVILLE	SOUHEGAN	200	300	-
P	PUBLIC SERVICE CO OF N H	KELLEYS FALLS	PISCATAQUOG	1 000	2 000	21
P	PUBLIC SERVICE CO OF N H	GREGGS FALLS	PISCATAQUOG	3 000	6 800	65
P	PUBLIC SERVICE CO OF N H	†AMOSKEAG	MERRIMACK	16 000	79 000	46
P	PUBLIC SERVICE CO OF N H	†HOOKSETT	MERRIMACK	1 600	11 000	14
I	SUN COOK MFG CO	ALLENTOWN	SUNCOOK	2 180	4 900	-
P	PUBLIC SERVICE CO OF N H	†GARVINS FALLS	MERRIMACK	7 200	40 000	30
P	CONCORD ELECTRIC CO	†SEWALLS FALLS	MERRIMACK	2 000	13 000	16
I	HOAGUE SPRAGUE CO	WEST HOPKINTON	CONTOOCOOK	200	100	20
P	PUBLIC SERVICE CO OF N H	JACKMAN	CONTOOCOOK	3 200	8 000	178
I	MONADNACK PAPER CO	BENNINGTON	CONTOOCOOK	1 200	6 000	-
P	PUBLIC SERVICE CO OF N H	FRANKLIN	WINNEPESAUKEE	350	2 500	18
I	SULLOWAY INDUSTRIES INC	FRANKLIN	WINNEPESAUKEE	375	600	16
I	J P STEVENS AND CO INC	FRANKLIN MILL	WINNEPESAUKEE	380	700	11
P	PUBLIC SERVICE CO OF N H	LOCHMERE	WINNEPESAUKEE	800	4 400	16
I	SCOTT AND WILLIAMS INC	LAKEPORT	LAKE PAUGUS	125	500	8
P	PUBLIC SERVICE CO OF N H	EASTMAN FALLS	PEMIGEWASSET	3 000	16 000	33
P	PUBLIC SERVICE CO OF N H	BRISTOL NO 8	NEWFOUND	168	600	16
P	PUBLIC SERVICE CO OF N H	AYERS ISLAND	PEMIGEWASSET	8 400	40 000	80
I	FRANCONIA PAPER	LINCOLN	PEMIGEWASSET	670	4 500	50
I	HINSDALE PAPER MFG CO	HINSDALE	ASHUELOT	350	1 900	-
I	TROY BLANKEU MILLS	TROY	S BR ASHUELOT	100	100	26
P	PUBLIC SERVICE CO OF N H	MINNEWAWA	MINNEWAWA BROOK	1 600	3 600	255
P	NEW ENGLAND POWER CO	†VERNON *	CONNECTICUT	16 000	89 000	34
I	COY PAPER CO	WEST CLAREMONT	SUGAR	500	1 300	33
I	CLAREMONT PAPER CO INC	CLAREMONT	SUGAR	800	2 800	27
P	CENTRAL VT PUB SERV CORP	CLAREMONT	SUGAR	250	900	20
I	DORR WOOLEN CO	NO 1	SUGAR	120	300	27
P	GRANITE STATE ELECTRIC CO	WEST LEBANON NO 4	MASCOMA	1 300	5 400	73
P	GRANITE STATE ELECTRIC CO	WEST LEBANON NO 2	MASCOMA	224	400	16
P	GRANITE STATE ELECTRIC CO	LEBANON NO 1	MASCOMA	140	500	19
I	E CUMMINGS LEATHER CO INC	LEBANON	MASCOMA	150	500	-
I	AMERICAN WOOLEN CO INC	BALTIC	MASCOMA	150	200	15
P	NEW ENGLAND POWER CO	†WILDER *	CONNECTICUT	16 200	70 000	51
M	WOODSVILLE PRECINCT OF	WOODSVILLE	AMMONOOSUC	400	800	-
P	PUBLIC SERVICE CO OF N H	LISBON	AMMONOOSUC	150	900	16
M	LITTLETON WTR AND LT DEPT	APTHORP	AMMONOOSUC	300	1 100	19
P	PUBLIC SERVICE CO OF N H	BETHLEHEM	AMMONOOSUC	300	1 300	46
P	NEW ENGLAND POWER CO	†MCINDOES	CONNECTICUT	10 560	46 000	29
P	NEW ENGLAND POWER CO	†COMERFORD	CONNECTICUT	140 400	310 000	179
P	NEW ENGLAND POWER CO	†S C MOORE	CONNECTICUT	140 400	240 000	160
I	WYOMING VALLEY PAPER CO	NORTHUMBERLAND	CONNECTICUT	1 100	3 400	10
				446 396	1 360 200	
	VERMONT					
P	CITIES UTILITIES CO	NEWPORT NO 11	CLYDE	1 600	5 000	54
P	CITIZENS UTILITIES CO	NEWPORT NO 1 2 3	CLYDE	3 600	11 000	140
P	CITIZENS UTILITIES CO	CHARLESTON	CLYDE	800	2 600	57
M	BARTON VILLAGE ELEC DEPT	WEST CHARLESTON	CLYDE	1 400	2 800	78
M	SWANTON VILLAGE OF	HIGHGATE FALLS	MISSISQUOI	4 600	21 000	59
I	MISSISQUOI CORPORATION	SHELDON SPRINGS	MISSISQUOI	1 750	7 000	79
M	ENOSBURG FALLS VILLAGE OF	VILLAGE	MISSISQUOI	600	1 700	20
M	ENOSBURG FALLS VILLAGE OF	KENDALL	MISSISQUOI	150	500	20
I	OWENS ILLINOIS PLYWOOD CO	NORTH TROY	MISSISQUOI	175	400	60
P	CITIZENS UTILITIES CO	TROY	MISSISQUOI	600	1 200	60

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	VERMONT CONTD					
P	CENTRAL VT PUB SERV CORP	PETERSON	LAMOILLE	5 000	23 000	52
P	CENTRAL VT PUB SERV CORP	MILTON	LAMOILLE	6 000	35 000	100
P	CENTRAL VT PUB SERV CORP	CLARKS FALLS	LAMOILLE	3 000	13 000	41
P	CENTRAL VT PUB SERV CORP	FAIRFAX FALLS	LAMOILLE	2 880	16 000	80
M	MORRISVILLE VILLAGE OF	CADYS FALLS NO 1	LAMOILLE	1 300	3 500	40
M	MORRISVILLE VILLAGE OF	MORRISVILLE NO 2	LAMOILLE	1 800	5 500	50
M	HARDWICK VILLAGE OF	HARDWICK	LAMOILLE	1 150	3 300	54
I	AMERICAN WOOLEN CO INC	CHAMPLAIN	WINOOSKI	500	1 100	38
P	GREEN MOUNTAIN POWER CORP	GORGE NO 18	WINOOSKI	3 000	15 000	34
P	GREEN MOUNTAIN POWER CORP	ESSEX NO 19	WINOOSKI	4 800	29 000	65
P	GREEN MOUNTAIN POWER CORP	†WATERBURY NO 22	WATERBURY	5 520	14 000	148
P	GREEN MOUNTAIN POWER CORP	MIDDLESEX NO 2	WINOOSKI	3 200	15 000	52
P	GREEN MOUNTAIN POWER CORP	MONTPELIER NO 4	WINOOSKI	600	1 900	60
P	GREEN MOUNTAIN POWER CORP	MARSHFIELD NO 6	MOLLYS BROOK	5 000	8 200	378
P	GREEN MOUNTAIN POWER CORP	VERGENNES NO 9	OTTER CR	1 400	5 900	38
P	GREEN MOUNTAIN POWER CORP	VERGENES NO 9A	OTTER CR	160	200	30
P	GREEN MOUNTAIN POWER CORP	VERGENES NO 9B	OTTER CR	1 000	3 200	35
P	CENTRAL VT PUB SERV CORP	WEYBRIDGE	OTTER CR	3 000	2 400	31
I	VERMONT MARBLE CO	HUNTINGTON FALLS	OTTER CR	1 200	10 000	39
I	VERMONT MARBLE CO	BELDENS	OTTER CR	1 200	9 600	41
P	CENTRAL VT PUB SERV CORP	LOWER MIDDLEBURY	OTTER CR	2 250	9 100	28
P	CENTRAL VT PUB SERV CORP	UPPER MIDDLEBURY	OTTER CR	180	900	21
P	CENTRAL VT PUB SERV CORP	EAST MIDDLEBURY	OTTER CR	160	1 100	20
P	CENTRAL VT PUB SERV CORP	SALISBURY	LEICESTER	1 300	3 700	160
P	CENTRAL VT PUB SERV CORP	SILVER LAKE	SILVER LAKE	2 200	6 400	676
I	VERMONT MARBLE CO	PROCTOR	OTTER CR	3 930	15 000	120
I	VERMONT MARBLE CO	CENTER RUTLAND	OTTER CR	275	500	27
P	CENTRAL VT PUB SERV CORP	PATCH	EAST CR	400	1 000	30
P	CENTRAL VT PUB SERV CORP	GLEN	EAST CR	2 000	5 600	173
P	CENTRAL VT PUB SERV CORP	PITTSFORD	EAST CR	3 600	8 000	481
P	CENTRAL VT PUB SERV CORP	HYDEVILLE	CASTLETON CR	270	600	40
P	NEW ENGLAND POWER CO	HARRIMAN	DEERFIELD	33 600	96 000	390
P	NEW ENGLAND POWER CO	SEARSBURG	DEERFIELD	4 000	27 000	232
P	NEW ENGLAND POWER CO	†VERNON *	CONNECTICUT	8 400	46 000	34
P	CENTRAL VT PUB SERV CORP	DUMMERSTON	WEST	720	2 000	26
P	NEW ENGLAND POWER CO	†BELLOWS FALLS	CONNECTICUT	40 800	220 000	62
I	SPRINGFIELD TERMINAL RWY	GOULDS MILLS	BLACK	400	300	-
I	FELLOWS GEAR SHAPER CO	SPRINGFIELD	BLACK	525	700	11
P	CENTRAL VT PUB SERV CORP	CAVENDISH	BLACK	1 440	6 100	120
M	CENTRAL VT PUB SERV CORP	TAFTSVILLE	OTTAUQUECHEE	500	2 000	17
P	BRIDGEWATER ELECTRIC CO	BRIDGEWATER	OTTAUQUECHEE	150	400	15
I	BETHEL MILLS INC	BETHEL	WHITE	150	400	16
P	NEW ENGLAND POWER CO	†WILDER *	CONNECTICUT	16 200	70 000	51
P	CENTRAL VT PUB SERV CORP	BRADFORD	WAITS	360	1 900	76
P	GREEN MOUNTAIN POWER CORP	WEST DANVILLE 15	JOES BROOK	1 000	2 500	180
P	CENTRAL VT PUB SERV CORP	PASSUMPSIC	PASSUMPSIC	700	4 100	22
P	CENTRAL VT PUB SERV CORP	GAGE	PASSUMPSIC	700	3 100	22
P	CENTRAL VT PUB SERV CORP	ARNOLD FALLS	PASSUMPSIC	350	1 300	17
M	LYNDONVILLE VILLAGE OF	GREAT FALLS	PASSUMPSIC	600	4 400	61
P	CENTRAL VT PUB SERV CORP	PIERCE MILLS	PASSUMPSIC	250	1 300	17
M	LYNDONVILLE VILLAGE OF	VAIL STATION	PASSUMPSIC	350	200	15
I	GILMAN PAPER CO	GILMAN	CONNECTICUT	2 990	15 000	27
P	PUBLIC SERVICE CO OF N H	LYMAN FALLS	CONNECTICUT	1 200	6 200	30
P	PUBLIC SERVICE CO OF N H	CANAAN	CONNECTICUT	1 000	7 400	35
				199 935	838 200	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	MASSACHUSETTS					
P	MERRIMACK ESSEX ELEC CO	NO 5	POWOW	800	1 900	65
P	MERRIMACK ESSEX ELEC CO	LAKE GARDNER	POWOW	150	300	16
I	EVERETT MILL PROPERTIES	EVERETT MILLS	MERRIMACK	1 000	1 700	26
I	PATCHOGUE PLYMOUTH MILLS	LAWRENCE	MERRIMACK	360	700	29
I	MERRIMAC PAPER CO INC	MERRIMAC	MERRIMACK	900	2 300	30
I	OXFORD PAPER CO INC	LAWRENCE	MERRIMACK	1 200	6 100	26
I	PACIFIC MILLS	WORSTED	MERRIMACK	3 320	16 000	30
P	MERRIMACK ESSEX ELEC CO	LAWRENCE	MERRIMACK CANAL	1 350	200	30
I	IRA E NEWMAN AGENT	METHUEN	SPRICKET	265	300	-
I	TALBOT MILLS	NORTH BILLERICA	CONCORD	300	300	-
I	MAYNARD INDUSTRIES	ASSABET	ASSABET	150	300	22
M	METROPOLITAN DIST COMM	SUDBURY	SUDBURY	720	4 500	73
I	LOWELL IND DEVELOPMENT CO	LOWELL	MERRIMACK CANAL	4 975	8 900	40
I	JACKSON PROPERTIES INC	LOWELL	MERRIMACK CANAL	1 050	1 900	40
I	BOOTT MILLS	LOWELL	MERRIMACK CANAL	2 400	6 900	40
I	LOWELL IND DEVELOPMENT	LOWELL	MERRIMACK CANAL	1 300	5 400	40
I	ST REGIS PAPER CO	PEPPERELL	NASHUA	1 920	5 600	28
I	SAMSON CORDAGE WORKS	SHIRLEY	SHIRLEY RESERVOIR	125	10	-
M	METROPOLITAN DIST COMM	WACHUSETT	S BR NASHUA	3 200	8 100	98
M	METROPOLITAN DIST COMM	OAKDALE	QUABBIN AQUEDUCT	3 500	6 000	135
I	CROCKER BURBANK AND CO	FITCHBURG	NORTH NASHUA	760	1 200	98
I	WHITIN MACHINE WORKS	WHITINSVILLE	MUMFORD	580	800	26
I	WHITIN PAUL MFG CO	NORTHBRIDGE	BLACKSTONE	200	400	11
I	J J O'DONNELL WOOLENS INC	FARNUMSVILLE	BLACKSTONE	112	300	9
I	RHODE ISLAND CARDBOARD CO	WEST DUDLEY	QUINEBAUG	495	300	11
I	AMERICAN OPTICAL CO	SOUTHBRIDGE	QUINEBAUG	200	600	12
I	RUSSELL HARRINGTON CO	SOUTHBRIDGE	QUINEBAUG	240	600	-
I	SOUTHWORTH PAPER CO	WEST SPRINGFIELD	WESTFIELD	150	700	-
I	STRATHMORE PAPER CO	WEST SPRINGFIELD	WESTFIELD	1 400	4 800	32
P	WESTERN MASS ELEC CO	COBBLE MOUNTAIN	WESTFIELD LITTLE	33 000	20 000	456
I	STRATHMORE PAPER CO	WORONOCO	WESTFIELD	2 690	8 000	50
I	WESTFIELD RIVER PAPER CO	RUSSELL	WESTFIELD	700	2 800	22
I	TEXON INC	RUSSELL	WESTFIELD	800	2 600	32
P	WESTERN MASS ELEC CO	DWIGHT	CHICOPEE	2 080	9 900	31
P	WESTERN MASS ELEC CO	INDIAN ORCHARD	CHICOPEE	4 900	12 000	35
P	WESTERN MASS ELEC CO	LUDLOW	CHICOPEE	3 200	15 000	44
P	WESTERN MASS ELEC CO	RED BRIDGE	CHICOPEE	3 600	17 000	51
P	NEW ENGLAND POWER CO	THREE RIVERS	CHICOPEE	2 200	8 000	28
M	METROPOLITAN DIST COMM	WINSOR	SWIFT	1 200	4 800	-
I	WARE INDUSTRIES INC	WARE	WARE	1 045	2 200	48
I	BARRE WOOL COMBING CO LTD	SOUTH BARRE	WARE	150	800	21
P	HOLYOKE WATER POWER CO	*HADLEY FALLS	CONNECTICUT	15 000	100 000	52
I	STANDARD PACKAGING CORP	HOLYOKE	CONNECTICUT CANAL	1 600	8 000	23
I	LIVINGSTON WORSTED MILLS	HOLYOKE	CONNECTICUT CANAL	300	1 200	12
P	HOLYOKE WATER POWER CO	*RIVERSIDE STATION	CONNECTICUT CANAL	7 640	32 000	30
I	AMERICAN WRITING PAP CORP	ALL MILLS	CONNECTICUT CANAL	3 510	9 700	39
I	PARSONS PAPER CO	HOLYOKE	CONNECTICUT CANAL	732	900	20
M	HOLYOKE GAS AND ELEC DEPT	HOLYOKE	CONNECTICUT CANAL	2 356*	11 000	20
I	CROCKER MCLEWAIN CO	HOLYOKE	CONNECTICUT CANAL	600	1 500	20
I	SKINNER WM AND SONS CO	HOLYOKE	CONNECTICUT CANAL	300	600	20
P	HOLYOKE WATER POWER CO	*BEEBEE HOLBROOK	CONNECTICUT CANAL	516	2 500	20
I	PRENTISS GEO W AND CO	HOLYOKE	CONNECTICUT CANAL	382	800	20
P	HOLYOKE WATER POWER CO	*BOATLOCK STATION	CONNECTICUT CANAL	2 900	18 000	20
I	HAMPTON MILLS INC	EASTHAMPTON	MANHAN	120	80	-
P	NEW ENGLAND POWER CO	DEERFIELD NO 2	DEERFIELD	4 800	34 000	65
P	WESTERN MASS ELEC CO	GARDNER FALLS	DEERFIELD	3 980	17 000	39
P	NEW ENGLAND POWER CO	DEERFIELD NO 3	DEERFIELD	4 800	37 000	68
P	NEW ENGLAND POWER CO	DEERFIELD NO 4	DEERFIELD	4 800	32 000	68
I	KENDALL CO	GRISWOLDVILLE	NORTH	180	400	22
P	NEW ENGLAND POWER CO	DEERFIELD NO 5	DEERFIELD	15 000	83 000	245

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MASSACHUSETTS CONTD						
P	NEW ENGLAND POWER CO	SHERMAN	DEERFIELD	7 200	28 000	80
P	WESTERN MASS ELEC CO	†CABOT	CONNECTICUT CANAL	51 000	240 000	61
P	WESTERN MASS ELEC CO	†TURNERS FALLS	CONNECTICUT CANAL	4 840	8 700	48
I	ESLEECK MANUFACTURING CO	TURNERS FALLS	CONNECTICUT CANAL	450	200	42
I	STRATHMORE PAPER CO	TURNERS FALLS	CONNECTICUT CANAL	937	4 800	47
I	MILLERS FALLS PAPER CO	MILLERS FALLS	MILLERS	1 300	5 000	26
I	ATHOL MFG CO	ATHOL	MILLERS	240	600	15
I	STARRETT L S CO	ATHOL	MILLERS	112	200	-
P	S BERKSHIRE PWR AND EL CO	GREAT BARRINGTON	HOUSATONIC	300	1 600	12
P	S BERKSHIRE PWR AND EL CO	ROCKDALE	WILLIAMS	400	1 800	68
I	RISING PAPER CO	HOUSATONIC	HOUSATONIC	692	1 200	27
I	MONUMENT MILLS	NO 1 AND NO 2	HOUSATONIC	1 000	2 400	41
I	HURLBUT PAPER CO	SOUTH LEE	HOUSATONIC	461	1 700	19
I	SCHWEITZER PETER J INC	LEE	HOUSATONIC	1 458	4 000	24
I	BERKSHIRE WOOLEN CO	PIITSFIELD	ONOTA BROOK	270	200	31
I	CRANE AND CO	ALL PLANTS	HOUSATONIC	150	200	60
I	SAWYER REGAN CO	DALTON	HOUSATONIC	120	40	22
				229 133	880 530	
RHODE ISLAND						
I	INTERLAKEN MILLS	DYE FINISH	N BR PAWTUXET	150	200	18
I	VALLEY LACE CO	HOPE MILL	N BR PAWTUXET	460	700	26
M	CITY OF PROVIDENCE	GAINER DAM	N BR PAWTUXET	1 500	4 000	86
P	BLACKSTONE VAL G AND E CO	PAWTUCKET NO 2	BLACKSTONE	600	2 600	16
I	BERKSHIRE HATHAWAY INC	ALBION	BLACKSTONE	512	1 000	12
P	BLACKSTONE VAL G AND E CO	WOONSOCKET NO 1	BLACKSTONE	375	500	12
I	STAMINA MILLS INC	FORESTDALE	BRANCH	400	200	15
I	KENDALL CO	SLATERSVILLE	BRANCH	320	800	35
				4 317	10 000	
CONNECTICUT						
P	BOZRAH LIGHT AND POWER CO	GILMAN	YANTIC	200	500	29
M	NORWICH CITY OF	SECOND STREET	SHETUCKET	800	5 000	16
P	THE CONN LIGHT AND PWR CO	TUNNEL	QUINEBAUG	2 000	9 800	25
I	ASPINOOK CORP	JEWETT CITY	QUINEBAUG	1 105	2 800	23
I	BRUNSWICK WORSTED MILL	MOOSUP	MOOSUP	250	400	20
I	DANIELSON FINISHING CO	DANIELSON NO 2	FIVE MILE	500	800	26
I	PRYM WILLIAM INC	DAYVILLE	FIVE MILE	200	200	-
I	NEW ENGLAND CHEMICAL CO	PUTNAM	QUINEBAUG	250	600	17
I	REPUBLIC TEXTILE EQUIP	GROSVENORDALE	FRENCH	500	900	26
I	PONEMAH MILLS	TAFTVILLE	SHETUCKET	1 770	5 000	26
I	PARKE DAVIS AND CO	VERSAILLES	LITTLE	150	300	21
I	ANGUS PARK WOOLEN CO INC	HANOVER	LITTLE	100	300	28
M	NORWICH CITY OF	OCCUM	SHETUCKET	800	3 500	13
I	BALTIC MILLS CO	BALTIC	SHETUCKET	1 600	3 700	28
P	THE CONN LIGHT AND PWR CO	SCOTLAND DAM	SHETUCKET	2 000	7 300	26
I	AMERICAN THREAD CO	WILLIMANTIC	WILLIMANTIC	1 605	3 300	63
I	JOHNSON CYRIL WOOLEN CO	STAFFORD SPRINGS	FURNACE	100	100	15
I	CONTINENTAL CAN CO INC	KENSINGTON	MATTABESSET	150	200	-
I	THE CONNECTICUT POWER CO	MANCHESTER	HOCKANUM	600	700	40
P	FARMINGTON RIVER POWER CO	RAINBOW	FARMINGTON	8 000	28 000	60
I	COLLINS CO	COLLINSVILLE	FARMINGTON	1 600	6 000	18
P	THE CONN LIGHT AND PWR CO	ROBERTSVILLE	MAD	500	1 700	53
I	DEXTER C H AND SONS INC	WINDSOR LOCKS	CONNECTICUT	500	2 400	27
P	HOUSATONIC PUB SERV CO	HOUSATONIC	HOUSATONIC	800	3 100	18
I	AMERICAN BRASS CO	ANSONIA	NAUGATUCK	760	3 100	35

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	CONNECTICUT CONTD					
P	THE CONN LIGHT AND PWR CO	STEVENSON	HOUSATONIC	30 500	98 000	69
P	THE CONN LIGHT AND PWR CO	SHEPAUG	HOUSATONIC	37 200	120 000	97
P	THE CONN LIGHT AND PWR CO	BANTAM	BANTAM	320	1 300	62
P	THE CONN LIGHT AND PWR CO	ROCKY RIVER 2/	ROCKY	31 000	18 000	230
P	THE CONN LIGHT AND PWR CO	BULLS BRIDGE	HOUSATONIC	8 400	45 000	107
P	THE CONNECTICUT POWER CO	FALLS VILLAGE	HOUSATONIC	9 000	39 000	92
				143 260	411 000	
	NEW ENGLAND TOTAL			1 522 697	5 875 930	
	MIDDLE ATLANTIC					
	NEW YORK					
P	CENTRAL VT PUB SERV CORP	CARVERS FALLS	POULTNEY	1 560	8 300	112
P	NIAGARA MOHAWK PWR CORP	ASHLEY	HALFWAY CR	680	2 100	68
P	INTERNATIONAL PAPER CO	TICONDEROGA NO 38	TICONDEROGA CR	3 440	18 000	134
P	NIAGARA MOHAWK PWR CORP	PORT HENRY	MILL BROOK	1 800	5 600	380
P	GORDON H BIGELOW CO	WADHAMS NO 1	BOUQUET	464	1 200	48
P	NEW YORK ST EL AND G CORP	RAINBOW FALLS	AUSABLE	2 640	15 000	92
I	PRESCOTT R AND SONS	KEESEVILLE	AUSABLE	180	500	13
I	ROGERS J AND J CO	AU SABLE FORKS	W BR AUSABLE	1 250	4 700	92
M	LAKE PLACID VILLAGE OF	LAKE PLACID	CHUBB	332	900	35
P	PAUL SMITHS EL L AND P CO	LAKE PLACID	CHUBB	300	400	17
I	IMPERIAL PAPER COLOR CORP	PLATTSBURG	SARANAC	600	2 600	22
I	VANITY FAIR PAPER MILLS	PLANT NO 1	SARANAC	2 400	10 000	43
I	VANITY FAIR PAPER MILLS	PLANT NO 2	SARANAC	1 080	5 000	27
P	NEW YORK ST EL AND G CORP	KENTS FALLS	SARANAC	6 400	40 000	162
P	NEW YORK ST EL AND G CORP	MILL C	SARANAC	2 250	12 000	65
P	NEW YORK ST EL AND G CORP	CADYVILLE	SARANAC	2 400	15 000	77
P	NEW YORK ST EL AND G CORP	HIGH FALLS	SARANAC	14 100	78 000	268
P	PAUL SMITHS EL L AND P CO	UNION FALLS	SARANAC	2 400	8 600	61
P	PAUL SMITHS EL L AND P CO	FRANKLIN FALLS	SARANAC	2 265	6 200	57
I	THE WM H MINER FOUNDATION	LASSEL & MCGREGOR	GREAT CHAZY	3 600	12 000	80
P	NEW YORK ST EL AND G CORP	CHATEAUGAY	CHATEAUGAY	720	5 200	88
P	NIAGARA MOHAWK PWR CORP	MACOMB	SALMON	1 000	6 800	53
P	NIAGARA MOHAWK PWR CORP	WHITTLESEY	SALMON	360	2 400	23
P	NIAGARA MOHAWK PWR CORP	CHASM FALLS	SALMON	3 350	24 000	266
P	NIAGARA MOHAWK PWR CORP	HOGANSBURG	ST REGIS	700	3 100	11
P	PAUL SMITHS EL L AND P CO	KEESES MILL	ST REGIS	125	200	11
P	NIAGARA MOHAWK PWR CORP	ALLENS FALLS	W BR ST REGIS	4 400	27 000	218
P	NIAGARA MOHAWK PWR CORP	PARISHVILLE	W BR ST REGIS	2 400	15 000	144
P	NIAGARA MOHAWK PWR CORP	RAYMONDVILLE	RAQUETTE	2 000	13 000	19
P	NIAGARA MOHAWK PWR CORP	NORFOLK	RAQUETTE	4 500	26 000	41
P	NIAGARA MOHAWK PWR CORP	EAST NORFOLK	RAQUETTE	3 000	19 000	31
P	NIAGARA MOHAWK PWR CORP	YALEVILLE	RAQUETTE	725	3 800	12
P	NIAGARA MOHAWK PWR CORP	NORWOOD	RAQUETTE	2 000	13 000	21
I	NEKOOSA EDWARDS PAPER CO	UNIONVILLE	RAQUETTE	1 380	8 900	17
I	NEKOOSA EDWARDS PAPER CO	HEWITTVILLE	RAQUETTE	1 670	8 400	13
M	POTSDAM MUN ELECTRIC PLT	POTSDAM	RAQUETTE	150	1 200	9
P	NIAGARA MOHAWK PWR CORP	SUGAR ISLAND	RAQUETTE	4 800	30 000	63
P	NIAGARA MOHAWK PWR CORP	HANNAWA	RAQUETTE	7 300*	49 000	78
P	NIAGARA MOHAWK PWR CORP	COLTON	RAQUETTE	29 520	190 000	283
P	NIAGARA MOHAWK PWR CORP	HIGLEY FALLS	RAQUETTE	4 480	28 000	44
P	NIAGARA MOHAWK PWR CORP	*SOUTH COLTON	RAQUETTE	19 350	79 000	85
P	NIAGARA MOHAWK PWR CORP	*FIVE FALLS	RAQUETTE	22 500	95 000	104
P	NIAGARA MOHAWK PWR CORP	*RAINBOW FALLS	RAQUETTE	22 500	82 000	102
P	NIAGARA MOHAWK PWR CORP	*BLAKE FALLS	RAQUETTE	14 400	60 000	68
P	NIAGARA MOHAWK PWR CORP	*STARK	RAQUETTE	22 500	90 000	105

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS 1/ CLASS 2	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	NEW YORK CONTD					
P	PAUL SMITHS EL L AND P CO	PIERCEFIELD	RAQUETTE	2 400	14 000	35
P	DEXTER HYDRO ELEC CORP	PYRITES	GRASS	1 200	9 000	75
M	PWR AUTH STATE OF N Y	†ROBERT MOSES	ST LAWRENCE	912 000	6 500 000	88
P	NIAGARA MOHAWK PWR CORP	EEL WEIR	OSWEGATCHIE	2 700	12 000	12
P	NIAGARA MOHAWK PWR CORP	THERESA	INDIAN	1 615	7 400	66
M	THERESA MUNICIPAL LT COMM	THERESA	INDIAN	130	500	15
M	PHILADELPHIA MUN ELEC SYS	PHILADELPHIA	INDIAN	128	600	20
P	NIAGARA MOHAWK PWR CORP	PHILADELPHIA	INDIAN	500	3 100	55
P	NIAGARA MOHAWK PWR CORP	HEUVELTON	OSWEGATCHIE	1 040	5 200	15
I	RUSHMORE PAPER MILLS INC	NATURAL DAM	OSWEGATCHIE	1 020	3 500	20
M	GOUVERNEUR VILLAGE OF	GOUVERNEUR	OSWEGATCHIE	160	900	7
P	OSWEGATCHIE LT AND PWR CO	HAILESBO RO NO 4	OSWEGATCHIE	1 320	7 200	30
P	OSWEGATCHIE LT AND PWR CO	FOWLER	OSWEGATCHIE	900	5 000	15
I	HAMPSHIRE PAPER CO INC	EMERYVILLE	OSWEGATCHIE	1 320	8 000	32
P	NIAGARA MOHAWK PWR CORP	OSWEGATCHIE	E BR OSWEGATCHIE	800	6 000	10
P	NIAGARA MOHAWK PWR CORP	SO EDWARDS NO 2	E BR OSWEGATCHIE	2 680	20 000	82
P	NIAGARA MOHAWK PWR CORP	FLAT ROCK	E BR OSWEGATCHIE	6 000	18 000	57
P	NIAGARA MOHAWK PWR CORP	BROWNS FALLS	E BR OSWEGATCHIE	15 000	53 000	267
I	NEWTON FALLS PAPER MILL	NEWTON FALLS	OSWEGATCHIE	2 230	12 000	46
I	ST REGIS PAPER CO	HARRISVILLE	W BR OSWEGATCHIE	520	1 700	36
P	DEXTER HYDRO ELEC CORP	DEXTER	BLACK	1 740	7 000	-
P	BEEBE ISLAND NIAG MOHAWK	BEEBE ISLAND	BLACK	8 000	38 000	31
P	NIAGARA MOHAWK PWR CORP	SEWALLS ISLAND	BLACK	2 000	12 000	17
P	NIAGARA MOHAWK PWR CORP	DIAMOND ISLAND	BLACK	1 200	9 100	10
I	BLACK CLAWSON CO	WATERTOWN	BLACK	1 038	6 000	-
M	WATERTOWN MUN ELEC DEPT	WATERTOWN	BLACK	5 400	33 000	27
P	NIAGARA MOHAWK PWR CORP	BLACK RIVER	BLACK	6 000	45 000	32
P	NIAGARA MOHAWK PWR CORP	KAMARGO	BLACK	5 400	29 000	23
P	NIAGARA MOHAWK PWR CORP	DEFERIET	BLACK	10 800	68 000	44
P	NIAGARA MOHAWK PWR CORP	HERRINGS	BLACK	5 400	26 000	19
I	CROWN ZELLERBACH CORP	CARTHAGE	BLACK	1 120	2 900	30
I	ST REGIS PAPER CO	CARTHAGE	BLACK	525	2 900	17
I	CARTHAGE PAPER MAKERS INC	CARTHAGE	BLACK	800	5 400	8
I	J P LEWIS CO	BEAVER FALLS	BEAVER	1 500	9 700	30
P	BEAVER RIVER PWR CO	HIGH FALLS	BEAVER	4 800	34 000	95
P	NIAGARA MOHAWK PWR CORP	BELFORT	BEAVER	1 800	13 000	48
P	NIAGARA MOHAWK PWR CORP	TAYLORVILLE	BEAVER	4 500	25 000	103
P	NIAGARA MOHAWK PWR CORP	ELMER FALLS	BEAVER	1 500	9 700	38
P	NIAGARA MOHAWK PWR CORP	EFFLEY FALLS	BEAVER	2 990*	15 000	53
P	NIAGARA MOHAWK PWR CORP	SOFT MAPLE	BEAVER	15 000	35 000	124
P	NIAGARA MOHAWK PWR CORP	EAGLE FALLS	BEAVER	6 050	32 000	137
P	NIAGARA MOHAWK PWR CORP	MOSHIER FALLS	BEAVER	8 000	41 000	211
I	GOULD PAPER CO	MILL NO 3	MOOSE	4 700	23 000	30
M	BOONVILLE BD OF LT COMM	DENLEY	BLACK	480	3 300	22
P	NIAGARA MOHAWK PWR CORP	LIGHTHOUSE HILL	SALMON	7 500	23 000	64
P	NIAGARA MOHAWK PWR CORP	BENNETTS BRIDGE	SALMON	23 950	80 000	284
P	NIAGARA MOHAWK PWR CORP	VARICK	OSWEGO	8 800	44 000	17
P	NIAGARA MOHAWK PWR CORP	HIGH DAM NO 6	OSWEGO	7 600	50 000	19
P	NIAGARA MOHAWK PWR CORP	MINETTO	OSWEGO	8 000	40 000	17
P	NIAGARA MOHAWK PWR CORP	GRANBY	OSWEGO	4 682	27 000	24
P	NIAGARA MOHAWK PWR CORP	RIVERSIDE	OSWEGO	800	5 300	23
P	NIAGARA MOHAWK PWR CORP	FULTON	OSWEGO	1 250	7 200	17
I	DILTS MACHINE WORKS	FULTON	OSWEGO	120	80	24
I	SEALRIGHT OSWEGO CORP	OSWEGO FALLS	OSWEGO	9 150	39 000	18
I	SWEET PAPER SALES CORP	PHOENIX	OSWEGO	440	3 000	9
P	NIAGARA MOHAWK PWR CORP	BALDWINVILLE	SENECA	640	3 700	8
I	DUNN AND MCCARTHY INC	WOOLEN MILL	OWASCO	800	2 600	21
I	DUNN AND MCCARTHY INC	AUBURN	OWASCO	700	2 300	21
I	SHOE FORM CO INC	AUBURN	OWASCO	600	600	16
I	DUNN AND MCCARTHY INC	SHANK PLANT	OWASCO	300	800	21

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	NEW YORK CONTD					
P	CORNELL UNIVERSITY	PWR 1	FALL CR	660	5 300	143
P	NEW YORK ST EL AND G CORP	SENECA FALLS	SENECA	8 000	12 000	50
P	NEW YORK ST EL AND G CORP	WATERLOO	SENECA CANAL	1 920	3 600	17
P	NEW YORK ST EL AND G CORP	KEUKA LAKE NO 1	KEUKA LAKE	2 000	6 400	380
P	ROCHESTER GAS AND EL CORP	ROCHESTER NO 5	GENESEE	38 250	140 000	137
P	ROCHESTER GAS AND EL CORP	ROCHESTER NO 2	GENESEE	4 500	30 000	90
P	ROCHESTER GAS AND EL CORP	ROCHESTER NO 26	GENESEE	3 000	16 000	13
P	ROCHESTER GAS AND EL CORP	MT MORRIS NO 160	GENESEE	340	2 900	20
P	ROCHESTER GAS AND EL CORP	WISCOY NO 170	WISCOY CR	1 080	4 900	104
P	ROCHESTER GAS AND EL CORP	MILLS NO 172	WISCOY CR	220	900	58
P	NIAGARA MOHAWK PWR CORP	WATERPORT	OAK ORCHARD CR	4 650	13 000	78
P	NIAGARA MOHAWK PWR CORP	GLENWOOD	OAK ORCHARD CR	1 500	9 400	62
P	NIAGARA MOHAWK PWR CORP	CANAL	OAK ORCHARD CR	300	1 800	28
P	NIAGARA MOHAWK PWR CORP	OAK ORCHARD	OAK ORCHARD CR	350	2 100	27
P	NIAGARA MOHAWK PWR CORP	BURT	18 MILE CR	1 000	2 300	47
P	NIAGARA MOHAWK PWR CORP	†E D ADAMS	NIAGARA	80 000	680 000	138
P	NIAGARA MOHAWK PWR CORP	†SCHOELLKOPF	NIAGARA	89 500	790 000	212
P	NIAGARA MOHAWK PWR CORP	HYDRAULIC RACE	BARGE CANAL	4 687	24 000	50
P	SPRINGVILLE EL LT PWR CO	SPRINGVILLE	CATTARAUGUS CR	500	2 000	-
I	GROVEVILLE CORP	BEACON	FISH KILL CR	520	1 100	-
I	BRAENDLY DYE WORKS INC	BEACON	FISH KILL CR	100	300	-
I	NEOTEX MFG CO	WAPPINGERS FALLS	WAPPINGER CR	1 300	5 500	85
P	CENT HUDSON G AND EL CORP	STURGEON POOL	WALLKILL	14 400	55 000	113
P	CENT HUDSON G AND EL CORP	DASHVILLE	WALLKILL	4 800	18 000	42
P	NEW YORK ST EL AND G CORP	WALDEN	WALLKILL	1 475	5 500	36
P	ORANGE AND ROCKLAND UTIL	GRAHAMSVILLE	RONDOUT CR	18 000	92 000	440
P	CENT HUDSON G AND EL CORP	HIGH FALLS	RONDOUT CR	2 120	7 200	48
P	CENT HUDSON G AND EL CORP	NEVERSINK	RONDOUT CR	25 000	48 000	552
I	MARTIN CANTINE CO	SAUGERTIES	ESOPUS CR	400	1 200	-
P	CENT HUDSON G AND EL CORP	CAIRO	CATSKILL CR	700	1 900	40
P	NIAGARA MOHAWK PWR CORP	STUYVESTANT	KINDERHOOK CR	2 800	15 000	100
I	FORD MOTOR CO	†GREEN ISLAND	HUDSON	7 200	34 000	16
I	MANNING J A PAPER CO INC	TROY	POESTEN	300	600	-
P	NIAGARA MOHAWK PWR CORP	CHAMPLAIN	MOHAWK	180	1 000	16
P	NIAGARA MOHAWK PWR CORP	SCHOOL ST COHOES	MOHAWK	38 800	170 000	94
M	NEW YORK ST DEPT PUB WKS	CRESCENT	MOHAWK	5 600	39 000	28
M	NEW YORK ST DEPT PUB WKS	VISSCHER FERRY	MOHAWK	5 600	35 000	28
P	NIAGARA MOHAWK PWR CORP	EPHRAH	CAROGA CR	5 150	15 000	294
P	NIAGARA MOHAWK PWR CORP	BEARDSLEE FALLS	E CANADA CR	20 000	50 000	156
P	NIAGARA MOHAWK PWR CORP	INGHAMS MILLS	E CANADA CR	6 400	28 000	124
I	GREEN DANIEL CO	DOLGEVILLE	E CANADA CR	320	1 800	-
P	NIAGARA MOHAWK PWR CORP	DOLGEVILLE	E CANADA CR	1 860	9 400	71
I	FROST WHITE PAPER MILLS	SALISBURY	SPRUCE CR	360	1 400	-
P	NIAGARA MOHAWK PWR CORP	SPRITE CREEK	SPRITE CR	5 840	15 000	407
P	NIAGARA MOHAWK PWR CORP	LITTLE FALLS	MOHAWK	1 150	8 500	18
I	BURROWS PAPER CORP	LITTLE FALLS	MOHAWK	150	300	-
I	STANDARD FURNITURE CO	HERKIMER	W CANADA CR	300	1 000	-
P	NIAGARA MOHAWK PWR CORP	TRENTON FALLS	W CANADA CR	23 425*	130 000	264
P	NIAGARA MOHAWK PWR CORP	PROSPECT	W CANADA CR	17 325	71 000	-
I	CASCADE FINISHING CO	ORISKANY FALLS	ORISKANY CR	125	300	20
P	NIAGARA MOHAWK PWR CORP	MECHANICVILLE	HUDSON	4 500	31 000	17
I	WEST VA PULP AND PAPER CO	MECHANICVILLE	HUDSON	6 310	41 000	23
P	NIAGARA MOHAWK PWR CORP	SCHAGHTICOKE	HOOSIC	13 120	62 000	153
P	NIAGARA MOHAWK PWR CORP	JOHNSONVILLE	HOOSIC	4 800	12 000	35
P	CENTRAL VT PUB SERV CORP	HOOSIC FALLS	HOOSIC	1 050	3 700	24
P	NIAGARA MOHAWK PWR CORP	SCHUYLERVILLE	FISH CR	1 200	7 600	61
P	NIAGARA MOHAWK PWR CORP	VICTORY MILLS	FISH CR	1 280	4 200	40
P	NIAGARA MOHAWK PWR CORP	MIDDLE FALLS	BATTENKILL	1 040	5 900	51
I	STEVENS THOMPSON PAPER CO	GREENWICH	BATTENKILL	750	4 900	15
I	UNITED BOARD CARTON CORP	THOMSON	HUDSON	1 320	9 000	18

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS/	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	NEW YORK CONTD					
P	NIAGARA MOHAWK PWR CORP	FORT EDWARD	HUDSON	2 850	22 000	21
P	NIAGARA MOHAWK PWR CORP	BAKERS FALLS	HUDSON	2 250	15 000	55
P	NIAGARA MOHAWK PWR CORP	MOREAU	HUDSON	4 800	42 000	64
I	FINCH PRUYN AND CO	GLENS FALLS	HUDSON	5 240	17 000	45
P	NIAGARA MOHAWK PWR CORP	SOUTH GLEN FALLS	HUDSON	3 800	27 000	47
P	MOREAU MANUFACTURING CORP	FEEDER DAM	HUDSON	6 000	28 000	15
P	NIAGARA MOHAWK PWR CORP	SHERMAN ISLAND	HUDSON	28 800	150 000	67
P	NIAGARA MOHAWK PWR CORP	SPIER FALLS	HUDSON	44 400	210 000	84
I	INTERNATIONAL PAPER CO	PALMER	HUDSON	4 950	30 000	87
I	INTERNATIONAL PAPER CO	CURTIS	HUDSON	5 000	22 000	26
P	NIAGARA MOHAWK PWR CORP	†STEWARTS BRIDGE	SACANDAGA	30 000	120 000	100
P	NIAGARA MOHAWK PWR CORP	E J WEST	SACANDAGA	20 000	62 000	75
P	INDIAN LAKE PWR AND LT CO	CEDAR RIVER	CEDAR	146	400	-
P	ORANGE AND ROCKLAND UTIL	RIO	MONGAUP	10 000	34 000	185
P	ORANGE AND ROCKLAND UTIL	MONGAUP FALLS	MONGAUP	4 000	20 000	115
P	ORANGE AND ROCKLAND UTIL	SWINGING BRIDGE 2	MONGAUP	6 750	12 000	122
P	ORANGE AND ROCKLAND UTIL	SWINGING BRIDGE 1	MONGAUP	5 000	6 000	122
I	ELMORE MILLING CO INC	ONEONTA	SUSQUEHANNA	450	900	-
P	NEW YORK ST EL AND G CORP	COLLIERS	SUSQUEHANNA	3 560	8 000	30
				2 033 232	12 282 980	
	NEW JERSEY					
M	PATERSON CITY OF	GREAT FALLS	PASSAIC	3 680	28 000	68
M	PASSAIC VALLEY WATER COMM	LITTLE FALLS	PASSAIC	2 400	10 000	36
I	HARSCO CORP	HIGH BRIDGE	S BR RARITAN	300	600	33
I	WHEATON GLASS CO	MAYS LANDING	GREAT EGG	384	700	14
I	MILLVILLE MFG CO	MILLVILLE	MAURICE	500	2 600	-
I	RIEDEL PAPER CORP	RIEGELSVILLE	MUSCONETCONG	250	1 100	21
I	RIEDEL PAPER CORP	HUGHESVILLE	MUSCONETCONG	444	1 900	27
I	RIEDEL PAPER CORP	WARREN GLEN	MUSCONETCONG	720	4 000	50
				8 678	48 900	
	PENNSYLVANIA					
I	UNION MILLS PAPER CO	NEW HOPE	DELAWARE CANAL	334	-	-
P	PENNSYLVANIA P AND LT CO	†WALLENPAUPACK	LACKAWAXEN	40 000	76 000	370
P	PENNSYLVANIA P AND LT CO	†HOLTWOOD	SUSQUEHANNA	109 800*	600 000	51
P	SAFE HARBOR WTR PWR CORP	†SAFE HARBOR	SUSQUEHANNA	230 000	920 000	54
I	INTERNATIONAL PAPER CO	†YORK HAVEN	SUSQUEHANNA	2 500	16 000	21
P	METROPOLITAN EDISON CO	†YORK HAVEN	SUSQUEHANNA	19 620	120 000	21
P	PENNSYLVANIA ELEC CO	RAYSTOWN	RAYSTOWN BR	2 100	12 000	32
P	PENNSYLVANIA ELEC CO	WARRIOR RIDGE	JUNIATA	2 000	8 900	27
I	T C LEWIS CO	HILLSGROVE	LOYALSOCK	100	400	-
P	PENNSYLVANIA ELEC CO	†OAKLAND	SUSQUEHANNA	600	1 900	9
P	CUMBERLAND VAL ELEC CO	MONTGOMERY	CONOCOCHIEGUE CR	125	400	7
I	REPUBLIC STEEL CORP	BEAVER FALLS	BEAVER	200	800	-
P	PENNSYLVANIA ELEC CO	†PINEY	CLARION	28 800	74 000	83
				436 179	1 830 400	
	MIDDLE ATLANTIC TOTAL			2 478 089	14 162 280	
	EAST NORTH CENTRAL					
	OHIO					
I	VAUGHN MACHINE CO	CUYAHOGA FALLS	CUYAHOGA	149	400	11
P	THE OHIO POWER CO	BALLVILLE	SANDUSKY	3 000	5 000	40
P	THE TOLEDO EDISON CO	DEFIANCE	AUGLAIZE	5 000	8 800	24
I	BENDIX AVIATION CORP	HAMILTON	MIAMI	2 250	12 000	26
I	SORG PAPER CO	MIDDLETOWN	MIAMI	350	700	14

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	OHIO CONTD					
I	MAXWELL PAPER CO	FRANKLIN	MIAMI	600	600	-
P	DAYTON POWER AND LIGHT CO	WEST MILTON	STILLWATER	125	100	11
P	DAYTON POWER AND LIGHT CO	COVINGTON	STILLWATER	450	1 200	27
				11 924	28 800	
	INDIANA					
M	FORT WAYNE LT AND PWR WKS	MAUMEE DAM	MAUMEE	250	100	10
M	FORT WAYNE LT AND PWR WKS	ST JOE DAM	ST JOE	175	800	10
P	INDIANA AND MICH ELEC CO	SOUTH BEND	ST JOSEPH	1 500	3 600	10
P	INDIANA AND MICH ELEC CO	TWIN BRANCH	ST JOSEPH	7 260	22 000	24
P	INDIANA AND MICH ELEC CO	ELKHART	ST JOSEPH	3 440	16 000	19
P	NORTHERN IND PUB SERV CO	GOSHEN	ELKHART	600	2 300	15
P	NORTHERN IND PUB SERV CO	BAINTERTOWN	ELKHART	240	800	9
P	NORTHERN IND PUB SERV CO	BENTON	ELKHART	320	1 200	19
P	NORTHERN IND PUB SERV CO	MONGO	PIGEON	125	500	13
P	STAR MILLING AND ELEC CO	STAR MILL	FAWN	250	700	13
P	PUBLIC SERVICE CO OF IND	NOBLESVILLE	W FK WHITE	384	900	10
P	NORTHERN IND PUB SERV CO	OAKDALE	TIPPECANOE	11 000	35 000	45
P	NORTHERN IND PUB SERV CO	NORWAY	TIPPECANOE	6 720	25 000	31
				32 264	108 900	
	ILLINOIS					
P	NO COUNTIES HYDRO ELEC CO	DAYTON	FOX	3 680	17 000	30
I	NATIONAL BISCUIT CO	MARSEILLES	ILLINOIS	450	1 700	15
P	ILLINOIS POWER CO	MARSEILLES	ILLINOIS	2 024	19 000	16
M	SANITARY DIST OF CHICAGO	LOCKPORT	DES PLAINES	19 900	75 000	39
P	SEARS WATER POWER CO	SEARS	ROCK	1 440	11 000	11
P	COMMONWEALTH EDISON CO	STERLING UPPER	ROCK	2 175	10 000	10
P	COMMONWEALTH EDISON CO	DIXON	ROCK	3 200	16 000	9
P	CENTRAL ILLINOIS E G CO	FORDHAM	ROCK	1 200	3 300	9
P	SOUTH BELOIT W G AND E CO	ROCKTON	ROCK	1 100	6 000	12
P	IOWA ILLINOIS G AND EL CO	MOLINE	MISSISSIPPI	3 600	25 000	12
F	CORPS OF ENGINEERS	ROCK ISLAND	MISSISSIPPI	2 752	20 000	16
				41 521	204 000	
	MICHIGAN					
P	HAYDEN FUEL AND SUPPLY CO	TECUMSEH	RAISIN	250	1 300	21
I	ALLIED PRODUCTS	MANCHESTER	RAISIN	140	700	-
P	THE DETROIT EDISON CO	FRENCH LANDING	HURON	3 000	6 600	32
I	FORD MOTOR CO	YPSILANTI	HURON	1 875	8 500	33
I	PENINSULAR PAPER CO	YPSILANTI	HURON	1 400	3 300	13
P	THE DETROIT EDISON CO	SUPERIOR	HURON	1 325	4 000	16
P	THE DETROIT EDISON CO	GEDDES	HURON	1 000	3 800	16
P	THE DETROIT EDISON CO	ARGO	HURON	1 025	3 100	15
P	THE DETROIT EDISON CO	BARTON	HURON	1 500	6 500	26
I	JIM ROBBINS CO	MILFORD	HURON	290	1 100	-
M	ST LOUIS CITY OF	ST LOUIS	PINE	360	700	10
I	HARRIS MILLING CO	MT PLEASANT	CHIPPEWA	150	500	13
P	WOLVERINE POWER CO	SANFORD	TITTABAWASSEE	4 000	8 000	28
P	WOLVERINE POWER CO	EDENVILLE	TITTABAWASSEE	6 000	12 000	43
P	CONSUMERS POWER CO	CHAPPEL	TOBACCO	430	1 200	28
P	CONSUMERS POWER CO	BEAVERTOWN	TOBACCO	970	2 800	20
P	WOLVERINE POWER CO	SMALLWOOD	TITTABAWASSEE	1 500	2 600	26
P	WOLVERINE POWER CO	SECORDS	TITTABAWASSEE	1 500	3 000	48
P	CONSUMERS POWER CO	FOOTE	AU SABLE	9 000	29 000	39
P	CONSUMERS POWER CO	COOKE	AU SABLE	9 000	26 000	39

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS I/	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	MICHIGAN CONTD					
P	CONSUMERS POWER CO	FIVE CHANNELS	AU SABLE	6 000	25 000	36
P	CONSUMERS POWER CO	LOUD	AU SABLE	4 000	18 000	27
P	CONSUMERS POWER CO	ALCONA	AU SABLE	8 000	26 000	39
P	CONSUMERS POWER CO	MIO	AU SABLE	5 000	15 000	29
P	ALPENA POWER CO	NINTH ST	THUNDER BAY	1 200	4 400	18
P	ALPENA POWER CO	FOUR MILE D	THUNDER BAY	1 800	7 200	26
P	ALPENA POWER CO	NORWAY PT	THUNDER BAY	4 000	10 000	37
P	ALPENA POWER CO	HILLMAN	THUNDER BAY	225	100	-
P	CONSUMERS POWER CO	CHEBOYGAN	CHEBOYGAN	1 800	6 400	14
P	CONSUMERS POWER CO	ALVERNO	BLACK	800	2 800	19
M	NORTHERN MICHIGAN EL COOP	KLEBER	BLACK	1 200	4 000	44
M	NORTHERN MICHIGAN EL COOP	TOWER HYDRO	BLACK	560	2 100	21
P	CARBIDE POWER CO	CARBIDE	ST MARYS	42 240	270 000	21
F	CORPS OF ENGINEERS	ST MARYS FALLS	ST MARYS	18 400	160 000	22
P	CONSUMERS POWER CO	ELK RAPIDS	ELK	1 050	2 200	11
P	CONSUMERS POWER CO	BOYNE RIVER	BOYNE	500	1 300	32
M	PETOSKEY CITY OF	MITCHELL	BEAR	500	1 000	28
M	PETOSKEY CITY OF	UPPER	BEAR	250	700	21
M	CHARLEVOIX CITY OF	BELLAIRE	CEDAR	300	1 400	-
P	CONSUMERS POWER CO	SABIN	BOARDMAN	1 000	2 900	19
P	CONSUMERS POWER CO	BOARDMAN NO 3	BOARDMAN	2 200	6 000	41
M	TRAVERSE CITY L P DEPT	KEYSTONE	BOARDMAN	480	2 300	22
M	TRAVERSE CITY L P DEPT	BROWN BRIDGE	BOARDMAN	650	2 300	-
P	CONSUMERS POWER CO	HOMESTEAD	BETSIE	600	3 000	26
P	CONSUMERS POWER CO	C W TIPPY	MANISTEE	20 000	57 000	56
P	CONSUMERS POWER CO	HODENPYL	MANISTEE	18 000	42 000	68
M	HART HYDRO ELEC SYSTEM	HART	PENTWATER	250	1 000	-
P	CONSUMERS POWER CO	NEWAYGO	MUSKEGON	1 880	11 000	18
P	CONSUMERS POWER CO	CROTON	MUSKEGON	9 000	37 000	41
P	CONSUMERS POWER CO	HARDY	MUSKEGON	30 000	85 000	100
P	CONSUMERS POWER CO	ROGERS	MUSKEGON	6 750	26 000	40
P	CONSUMERS POWER CO	BIG RAPIDS	MUSKEGON	400	1 800	16
P	CENTRAL PLANT CO	BIG RAPIDS CENTRL	MUSKEGON	400	3 300	16
P	CONSUMERS POWER CO	ADA	THORNAPPLE	2 000	6 700	20
P	CONSUMERS POWER CO	CASCADE	THORNAPPLE	2 560	8 000	28
P	CONSUMERS POWER CO	LABARGE	THORNAPPLE	700	3 400	19
P	MIDSTATE SERVICE CO	MIDDLEVILLE	THORNAPPLE	350	1 500	-
P	MIDSTATE SERVICE CO	IRVING	THORNAPPLE	600	2 300	-
M	LOWELL VILLAGE OF	LOWELL	FLAT	795	2 700	18
P	CONSUMERS POWER CO	LOWELL	FLAT	900	5 100	34
P	CONSUMERS POWER CO	BELDING	FLAT	400	1 400	10
P	CONSUMERS POWER CO	WEBBER	GRAND	3 250	9 100	26
M	PORTLAND ELECTRIC DEPT	PORTLAND	GRAND	375	2 400	20
M	LANSING WTR AND LT COMM	NORTH LANSING	GRAND	200	1 100	9
M	LANSING WTR AND LT COMM	MOORES PARK	GRAND	1 000	2 600	15
I	MILLER DAIRY FARM	EATON RAPIDS	SPRING CR	450	1 500	-
M	ALLEGAN CITY OF	ALLEGAN CITY	KALAMAZOO	2 550	7 000	15
P	CONSUMERS POWER CO	ALLEGAN	KALAMAZOO	650	4 000	12
P	CONSUMERS POWER CO	TROWBRIDGE	KALAMAZOO	1 500	9 500	22
P	CONSUMERS POWER CO	OTSEGO	KALAMAZOO	1 700	7 900	14
P	CONSUMERS POWER CO	PLAINWELL NO 1	KALAMAZOO	900	5 400	13
I	HAMILTON PAPER CO MICH	PLAINWELL	KALAMAZOO	200	700	10
M	MARSHALL CITY OF	MARSHALL	KALAMAZOO	463	1 500	15
I	WATERVLIET PAPER CO	WATERVLIET	PAW PAW	300	1 300	11
M	PAW PAW VILLAGE OF	PAW PAW	W BR PAW PAW	250	800	-
P	INDIANA AND MICH ELEC CO	BERRIEN SPRINGS	ST JOSEPH	7 200	31 000	20
P	INDIANA AND MICH ELEC CO	BUCHANAN	ST JOSEPH	4 104	16 000	13
M	NILES CITY OF	NILES	DOWAGIAC CR	460	3 300	21
I	FRENCH PAPER CO	NILES	ST JOSEPH	1 300	5 500	14
P	MICHIGAN GAS AND EL CO	MOTTVILLE	ST JOSEPH	1 680	7 100	11

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS V	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	MICHIGAN CONTD					
P	MICHIGAN GAS AND EL CO	CONSTANTINE	ST JOSEPH	1 200	5 500	11
M	THREE RIVERS CITY OF	THREE RIVERS	ROCKY	200	700	13
P	MICHIGAN GAS AND EL CO	PORTAGE	PORTAGE	168	700	9
I	FAIRBANKS MORSE AND CO	THREE RIVERS	ROCKY	900	1 800	12
M	STURGIS CITY OF	STURGIS	ST JOSEPH	1 155	4 100	26
M	UNION CITY VILLAGE OF	RILEY	ST JOSEPH	418	1 300	15
I	MARINETTE PAPER CO	MENOMINEE	MENOMINEE	1 200	8 700	12
P	WISCONSIN PUB SERV CORP	GRAND RAPIDS	MENOMINEE	7 020	36 000	28
P	WISCONSIN MICHIGAN PWR CO	WHITE RAPIDS	MENOMINEE	8 000	36 000	29
P	WISCONSIN MICHIGAN PWR CO	CHALK HILL	MENOMINEE	7 800	33 000	29
M	NORWAY CITY OF	STURGEON FALLS	MENOMINEE	3 500	22 000	26
P	WISCONSIN MICHIGAN PWR CO	STURGEON RIVER	STURGEON	800	4 000	66
P	WISCONSIN MICHIGAN PWR CO	†BIG QUINNESEC	MENOMINEE	16 000	100 000	92
P	WISCONSIN MICHIGAN PWR CO	†QUINNESEC FALLS	MENOMINEE	3 530	36 000	62
P	WISCONSIN MICHIGAN PWR CO	†KINGSFORD	MENOMINEE	7 200	32 000	28
P	WISCONSIN MICHIGAN PWR CO	†TWIN FALLS	MENOMINEE	5 740	31 000	44
P	WISCONSIN MICHIGAN PWR CO	†MICHIGAMME FALLS	MICHIGAMME	9 600	42 000	60
P	WISCONSIN MICHIGAN PWR CO	†PEAVY FALLS	MICHIGAMME	15 000	67 000	95
P	WISCONSIN MICHIGAN PWR CO	†HEMLOCK FALLS	MICHIGAMME	2 800	9 000	34
P	WISCONSIN MICHIGAN PWR CO	†WAY DAM	MICHIGAMME	1 800	10 000	39
I	CLEVELAND CLIFFS IRON CO	REPUBLIC	MICHIGAMME	640	1 800	23
P	WISCONSIN MICHIGAN PWR CO	BRULE ISLAND	BRULE	5 335	12 000	63
P	WISCONSIN MICHIGAN PWR CO	†LOWER PAINT	PAINT	100	600	22
M	CRYSTAL FALLS LT WTR DEPT	CRYSTAL FALLS	PAINT	900	3 000	21
I	MEAD CORPORATION	ESCANABA NO 1	ESCANABA	1 950	6 700	24
I	MEAD CORPORATION	ESCANABA NO 2	ESCANABA	1 250	6 500	30
I	MEAD CORPORATION	CHANDLER NO 3	ESCANABA	2 500	9 900	28
I	MEAD CORPORATION	BONEY FALLS NO 4	ESCANABA	4 500	14 000	49
I	CLEVELAND CLIFFS IRON CO	ESCANABA	ESCANABA	2 000	5 300	67
I	MANISTIQUE PULP PAPER CO	MANISTIQUE	MANISTIQUE	1 000	1 300	26
I	CLEVELAND CLIFFS IRON CO	AU TRAIN	AU TRAIN	896	4 700	137
I	CLEVELAND CLIFFS IRON CO	CARP	CARP	4 480	19 000	608
M	MARQUETTE CITY OF	MARQUETTE NO 3	DEAD	700	3 900	32
M	MARQUETTE CITY OF	MARQUETTE NO 2	DEAD	3 200	12 000	132
M	MARQUETTE CITY OF	MARQUETTE NO 1	DEAD	1 000	700	90
I	CLEVELAND CLIFFS IRON CO	MC CLURE	DEAD	8 000	48 000	424
I	CLEVELAND CLIFFS IRON CO	HOIST	DEAD	4 400	17 000	148
M	L ANSE VILLAGE OF	L ANSE	FALLS	100	500	-
P	UPPER PENINSULA PWR CO	PRICKETT	STURGEON	2 200	9 500	54
P	UPPER PENINSULA PWR CO	VICTORIA	ONTONAGON	12 000	68 000	218
P	LAKE SUPERIOR DIST PWR CO	SUPERIOR FALLS	MONTREAL	1 320	8 800	137
P	LAKE SUPERIOR DIST PWR CO	SAXON	MONTREAL	1 250	9 400	119
				424 739	1 855 100	
	WISCONSIN					
I	NICOLET PAPER CORP	WEST DE PERE	FOX	900	6 400	8
M	KAUKAUNA ELEC WTR DEPT	RAPID CROCHE	FOX	2 400	13 000	8
M	KAUKAUNA ELEC WTR DEPT	†KAUKAUNA	FOX	4 800	36 000	23
M	KAUKAUNA ELEC WTR DEPT	BADGER	FOX	5 600	35 000	22
I	COMBINED LOCKS PAPER CO	COMBINED LOCKS	FOX	1 975	8 000	21
M	KAUKAUNA ELEC WTR DEPT	LITTLE CHUTE	FOX	3 300	19 000	12
I	KIMBERLY CLARK CORP	KIMBERLY	FOX	2 700	13 000	8
I	CONSOLID WTR PWR PAPER CO	APPLETON	FOX	480	2 600	8
I	FOX RIVER PAPER CORP	APPLETON	FOX	1 315	7 000	11
I	APPLETON WOOLEN MILLS	APPLETON	FOX	100	650	10
I	KIMBERLY CLARK CORP	ATLAS MILL	FOX	1 650	8 900	15
P	WISCONSIN MICHIGAN PWR CO	APPLETON	FOX	1 440	9 800	16
I	WESTERN CONDENSING CO	APPLETON	FOX	132	850	15
I	WHITING GEORGE A PAPER CO	MENASHA	FOX	250	300	8
I	BERGSTROM PAPER CO	NEENAH	FOX	400	1 100	9

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WISCONSIN CONTD						
P	WISCONSIN MICHIGAN PWR CO	WEYAUWEGA	WAUPACA	400	900	13
P	WISCONSIN POWER AND LT CO	MANAWA	LITTLE WOLF	264	800	12
P	WISCONSIN POWER AND LT CO	BIG FALLS	LITTLE WOLF	320	1 300	30
P	WISCONSIN POWER AND LT CO	HAYMAN FALLS	EMBARRASS	448	1 500	33
M	GRESHAM WTR PWR AND EL PL	GRESHAM	RED	275	700	32
I	SHAWANO PAPER MILLS	SHAWANO	WOLF	256	1 400	10
P	WISCONSIN POWER AND LT CO	†SHAWANO	WOLF	700	3 400	18
P	WISCONSIN POWER AND LT CO	PRINCETON	MECAN	108	700	20
P	WISCONSIN POWER AND LT CO	NESHKORO	WHITE	150	600	12
P	WHITE RIVER POWER CO	NESHKORO	WHITE	265	1 000	12
P	MILLER EVA	HARRISVILLE	MONTELLO	187	600	-
I	MONTELLO GRANITE CO	MONTELLO	MONTELLO LAKE	379	500	14
M	OXFORD LT AND PWR CO	OXFORD	NEENAH	125	200	-
P	WESTFIELD MILL EL LT CO	WESTFIELD	DUCK CR	125		
M	OCONTO ELECTRIC COOP	†STILES	OCONTO	1 000	4 000	20
I	FALLS PAPER AND POWER CO	OCONTO FALLS	OCONTO	1 010	2 000	39
P	WISCONSIN MICHIGAN PWR CO	OCONTO FALLS	OCONTO	1 440	5 900	28
P	WISCONSIN PUB SERV CORP	PESHTIGO	PESHTIGO	584	3 200	14
P	WISCONSIN PUB SERV CORP	POTATO RAPIDS	PESHTIGO	1 380	4 800	17
P	WISCONSIN PUB SERV CORP	SANDSTONE	PESHTIGO	3 840	15 000	40
P	WISCONSIN PUB SERV CORP	JOHNSON FALLS	PESHTIGO	3 520	14 000	37
P	WISCONSIN PUB SERV CORP	HIGH FALLS	PESHTIGO	7 000	18 000	85
P	WISCONSIN PUB SERV CORP	CALDRON FALLS	PESHTIGO	6 400	20 000	80
I	MARINETTE PAPER CO	MARINETTE	MENOMINEE	600	5 700	15
I	MENOMINEE INDIAN MILLS	NEOPIT	MENOMINEE	108	400	-
I	KIMBERLY CLARK CORP	NIAGARA WIS	MENOMINEE	5 335	35 000	67
P	WISCONSIN MICHIGAN PWR CO	PINE RIVER	PINE	3 200	19 000	94
P	LAKE SUPERIOR DIST PWR CO	WHITE RIVER	WHITE	1 000	4 900	50
P	LAKE SUPERIOR DIST PWR CO	MELLEN NO 1	BAD	450	1 400	80
P	LAKE SUPERIOR DIST PWR CO	ORIENTA FALLS	IRON	800	3 000	55
P	DAHLBERG LIGHT AND PWR CO	NANCY	TOTOGATIC	450	1 300	-
P	DAHLBERG LIGHT AND PWR CO	GORDON	EAU CLAIRE	257	1 000	-
M	BRODHEAD WTR AND LT COMM	BRODHEAD	SUGAR	262	1 000	9
P	WISCONSIN POWER AND LT CO	FULTON	YAHARA	300	1 000	14
M	STOUGHTON ELEC UTILITIES	STEBBINSVILLE	YAHARA	300	1 000	15
M	STOUGHTON ELEC UTILITIES	DUNKIRK	YAHARA	276	900	11
M	STOUGHTON ELEC UTILITIES	CITY	YAHARA	150	500	9
P	WISCONSIN POWER AND LT CO	BLACKHAWK	ROCK	380	2 800	9
P	WISCONSIN POWER AND LT CO	MONTEREY	ROCK	320	1 800	9
P	WISCONSIN POWER AND LT CO	JANESVILLE	ROCK	500	2 200	9
P	WISCONSIN POWER AND LT CO	INDIAN FORD	ROCK	400	1 200	6
P	WISCONSIN ELECTRIC PWR CO	WATERTOWN	ROCK	240	400	12
M	HUSTISFORD VILLAGE OF	HUSTISFORD	ROCK	100	300	12
P	WISCONSIN PWR AND LT CO	GAYS MILLS	KICKAPOO	264	600	8
M	LA FARGE MUNICIPAL EL CO	LA FARGE	KICKAPOO	138	500	-
P	WISCONSIN POWER AND LT CO	PRAIRIE DU SAC	WISCONSIN	28 500	110 000	37
I	GEORGE MCARTHUR AND SON	BARABOO	BARABOO	200	800	-
P	WISCONSIN POWER AND LT CO	BARABOO	BARABOO	200	500	12
I	ISLAND WOOLEN CO	BARABOO	BARABOO	412	1 500	18
I	REEDSBURG WOOLEN MILLS	REEDSBURG	BARABOO	150	500	8
P	WISCONSIN POWER AND LT CO	KILBOURN	WISCONSIN	8 200	46 000	22
P	WISCONSIN POWER AND LT CO	LEMONWEIR	LEMONWEIR	176	300	7
P	WISCONSIN POWER AND LT CO	MAUSTON	LEMONWEIR	360	600	8
P	WISCONSIN RIVER POWER CO	†CASTLE ROCK	WISCONSIN	15 000	75 000	30
P	WISCONSIN POWER AND LT CO	NECEDAH	YELLOW	260	400	12
P	WISCONSIN POWER AND LT CO	ROCHE A CRI	ROCHE A CRI CR	160	700	16
P	WISCONSIN RIVER POWER CO	†PETENWELL	WISCONSIN	20 000	100 000	42
I	NEKOOSA EDWARDS PAPER CO	NEKOOSA	WISCONSIN	3 600	24 000	22
I	NEKOOSA EDWARDS PAPER CO	PORT EDWARDS	WISCONSIN	2 920	17 000	17
I	NEKOOSA EDWARDS PAPER CO	CENTRALIA	WISCONSIN	3 200	18 000	15

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	WISCONSIN CONTD					
P	CONSOLIDATED WATER PWR CO	†WISC RAPIDS NO 1	WISCONSIN	4 160	25 000	33
P	CONSOLIDATED WATER PWR CO	†BIRON NO 2	WISCONSIN	3 300	20 000	24
I	WHITING PLOVER PAPER CO	†STEVENS POINT	WISCONSIN	625	900	8
P	WISCONSIN PUB SERV CORP	JORDAN	PLOVER	300	900	26
I	CONSOL WTR PWR PAPER CO	STEVENS POINT	WISCONSIN	960	7 000	21
P	CONSOLIDATED WATER PWR CO	†STEVENS POINT	WISCONSIN	3 840	25 000	18
P	CONSOLIDATED WATER PWR CO	†DU BAY	WISCONSIN	7 200	40 000	25
I	MOSINEE PAPER MILLS CO	†MOSINEE	WISCONSIN	3 400	23 000	22
I	AMERICAN CAN CO	†ROTHSCHILD	WISCONSIN	4 225	19 000	21
P	WISCONSIN PUB SERV CORP	†WAUSAU WEST	WISCONSIN	5 400	33 000	28
I	WARD PAPER COMPANY	MERRILL	WISCONSIN	135	300	17
P	WISCONSIN PUB SERV CORP	†MERRILL	WISCONSIN	840	6 100	14
P	WISCONSIN PUB SERV CORP	†ALEXANDER	WISCONSIN	4 200	25 000	23
P	WISCONSIN PUB SERV CORP	†GRANDFATHER	WISCONSIN	17 240	101 000	95
I	OWENS-ILLINOIS GLASS CO	†GRANDMOTHER	WISCONSIN	3 000	15 000	19
P	WISCONSIN PUB SERV CORP	†TOMAHAWK	WISCONSIN	2 600	14 000	15
P	WISCONSIN PUB SERV CORP	JERSEY	TOMAHAWK	512	2 600	15
P	TOMAHAWK PWR CO	†KINGS DAM	WISCONSIN	250	1 000	23
P	WISCONSIN PUB SERV CORP	†HAT RAPIDS	WISCONSIN	1 760	6 500	21
I	RHINELANDER PAPER CO	†RHINELANDER	WISCONSIN	2 120	10 000	32
P	WISCONSIN PUB SERV CORP	†OTTER RAPIDS	WISCONSIN	700	2 100	13
P	NORTHERN STS PWR CO WIS	STEENSEN NO 2	LA CROSSE	125	700	8
P	NORTHERN STS PWR CO WIS	NESHONOC NO 1	LA CROSSE	200	1 500	11
M	BLACK RIVER FALLS CITY OF	BLACK RIVER FALLS	BLACK	920	2 200	18
P	MISS VALLEY PUB SERV CO	HATFIELD	BLACK	5 000*	16 000	99
P	NORTHERN STS PWR CO WIS	EAU GALLE	EAU GALLE	400	1 000	28
P	NORTHERN STS PWR CO WIS	†MENOMINIE	RED CEDAR	5 400	12 900	37
P	NORTHERN STS PWR CO WIS	CEDAR FALLS	RED CEDAR	6 000	29 000	51
P	NORTHERN STS PWR CO WIS	COLFAX	RED CEDAR	1 200	6 000	22
M	BARRON LY AND WTR COMM	BARRON	YELLOW	207	600	12
P	NORTHERN STS PWR CO WIS	CHETEK	RED CEDAR	250	500	8
P	NORTHERN STS PWR CO WIS	RICE LAKE	RED CEDAR	320	1 500	11
P	NORTHERN STS PWR CO WIS	EAU CLAIRE	CHIPPEWA	8 900	41 000	26
P	NORTHERN STS PWR CO WIS	DELLS	CHIPPEWA	600	2 000	18
P	NORTHERN STS PWR CO WIS	CHIPPEWA FALLS	CHIPPEWA	21 600	74 000	29
P	NORTHERN STS PWR CO WIS	WISSOTA	CHIPPEWA	35 280	140 000	54
P	NORTHERN STS PWR CO WIS	JIM FALLS	CHIPPEWA	14 400	83 000	54
I	CORNELL WOOD PRODUCTS CO	CORNELL	CHIPPEWA	2 160	17 000	37
P	NORTHERN STS PWR CO WIS	†HOLCOMBE	CHIPPEWA	33 750	100 000	44
M	DAIRYLAND PWR COOP	THORNAPPLE	FLAMBEAU	1 400	7 600	15
M	DAIRYLAND PWR COOP	PORT ARTHUR	FLAMBEAU	520	2 600	18
M	DAIRYLAND PWR COOP	LADYSMITH	FLAMBEAU	1 800	11 000	16
M	DAIRYLAND PWR COOP	†FLAMBEAU	FLAMBEAU	15 000	68 000	66
P	LAKE SUPERIOR DIST PWR CO	BIG FALLS	FLAMBEAU	7 780	35 000	52
I	KANSAS CITY STAR CO	PARK FALLS	FLAMBEAU	4 700	19 000	56
P	NORTH CENTRAL PWR CO	RADISSON	OREILLES	495	900	-
P	NORTH CENTRAL PWR CO	†WINTER	E FK CHIPPEWA	650	2 200	25
M	RIVER FALLS MUN UTILITIES	POWELL FALLS	KINNIKINNIC	125	400	18
M	RIVER FALLS MUN UTILITIES	JUNCTION	KINNIKINNIC	250	600	48
P	NORTHERN STS PWR CO WIS	ST CROIX	WILLOW	300	400	14
P	NORTHERN STS PWR CO WIS	LITTLE FALLS	WILLOW	300	700	27
P	NORTHERN STS PWR CO WIS	WILLOW FALLS	WILLOW	600	2 000	107
P	NORTHERN STS PWR CO WIS	MOUNDS	WILLOW	180	800	50
P	NORTHERN STS PWR CO WIS	APPLE RIVER	APPLE	3 000	11 000	83
P	NORTHERN STS PWR CO WIS	SOMERSET	APPLE	475	2 100	18
P	NORTHERN STS PWR CO WIS	RIVERDALE	APPLE	500	3 300	23
P	NORTHERN STS PWR CO WIS	MCCLURE	APPLE	160	1 200	13
P	NORTHERN STS PWR CO WIS	HUNTINGDON	APPLE	640	2 900	27
P	NORTHERN STS PWR CO WIS	BLACK BROOK	APPLE	540	1 700	23
P	NORTHERN STS PWR CO WIS	ST CROIX FALLS	ST CROIX	23 200	110 000	59

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	WISCONSIN CONTD					
P	CLAM RIVER DAM CO	CLAM DAM	CLAM	800	4 000	21
P	NORTHWESTERN WIS ELEC CO	CLAM FALLS	CLAM	168	500	29
P	NORTHWESTERN WIS ELEC CO	DANBURY	YELLOW	1 076	6 000	29
P	NORTHERN STS PWR CO WIS	TREGO	NAMAKAGON	1 200	7 000	30
P	LAKE SUPERIOR DIST PWR CO	HAYWARD	NAMAKAGON	168	1 300	16
				426 292	1 951 800	
	EAST NORTH CENTRAL TOTAL			936 740	4 148 600	
	WEST NORTH CENTRAL					
	MINNESOTA					
P	OTTER TAIL POWER CO	CROOKSTON NO 1	RED LAKE	176	900	12
P	NORTHERN STATES P CO MINN	RED LAKE FALLS	RED LAKE	600	4 100	15
M	THIEF RIV FALLS W L DEPT	THIEF RIVER FALLS	RED LAKE	500	3 000	10
P	OTTER TAIL POWER CO	DAYTON HOLLOW	OTTER TAIL	1 290	6 000	37
P	OTTER TAIL POWER CO	PISGAH	OTTER TAIL	520	3 600	30
P	OTTER TAIL POWER CO	WRIGHT	OTTER TAIL	400	2 800	24
P	OTTER TAIL POWER CO	HOOT LAKE	OTTER TAIL	2 060	5 600	70
P	OTTER TAIL POWER CO	TAPLIN GORGE	OTTER TAIL	560	3 400	40
M	MINNKOTA PWR COOP INC	†BIG FALLS	BIG FORK	600	3 000	34
I	MINNESOTA ONTARIO PAPR CO	INTERNATIONAL FLS	RAINY	5 600	25 000	36
P	MINNESOTA POWER AND LT CO	†WINTON	KAWISHIWI	4 000	19 000	67
P	MINNESOTA POWER AND LT CO	FOND DU LAC	ST LOUIS	12 000	63 000	78
P	MINNESOTA POWER AND LT CO	THOMSON	ST LOUIS	67 350	320 000	374
P	MINNESOTA POWER AND LT CO	SCANLON	ST LOUIS	1 600	9 500	15
I	NORTHWEST PAPER CO	CLOQUET	ST LOUIS	5 510	28 000	40
P	MINNESOTA POWER AND LT CO	KNIFE FALLS	ST LOUIS	2 400	12 000	18
I	HORMEL GEO A CO	AUSTIN	CEDAR	157	50	14
M	LANESBORO PUB UTIL COMM	LANESBORO	ROOT	477	900	30
M	ROCHESTER CITY OF	ROCHESTER	ZUMBRO	1 840	6 000	57
P	NORTHERN STS PWR CO MINN	CANNON FALLS	CANNON	1 900	9 200	58
P	MINNESOTA POWER AND LT CO	SANDSTONE	KETTLE	475	2 000	15
P	NORTHERN STS PWR CO MINN	RAPIDAN	BLUE EARTH	1 500	8 600	62
M	REDWOOD FALLS PUB UT COMM	REDWOOD FALLS	REDWOOD	500	400	85
P	NORTHERN STS PWR CO MINN	MINNESOTA FALLS	MINNESOTA	780	3 100	19
M	GRANITE FALLS CITY OF	GRANITE FALLS	MINNESOTA	550	2 500	14
I	FORD MOTOR CO	†TWIN CITY	MISSISSIPPI	14 400	87 000	36
P	NORTHERN STS PWR CO MINN	†FLOWER DAM	MISSISSIPPI	8 000	52 000	24
I	GENERAL MILLS INC	MINNEAPOLIS	MISSISSIPPI	1 536	10 000	49
P	NORTHERN STS PWR CO MINN	†HENNEPIN ISLAND	MISSISSIPPI	12 400	50 000	49
P	NORTHERN STS PWR CO MINN	†CONSOLIDATED	MISSISSIPPI	2 730	21 000	49
P	NORTHERN STS PWR CO MINN	†MAIN STREET	MISSISSIPPI	960	9 400	45
P	NORTHERN STS PWR CO MINN	COON RAPIDS	MISSISSIPPI	6 500	46 000	18
M	ELK RIVER MUNICIPAL UTIL	ELK RIVER	ELK	250	1 000	15
P	NORTHERN STS PWR CO MINN	ST CLOUD 2	MISSISSIPPI	1 000	9 400	18
P	NORTHERN STS PWR CO MINN	ST CLOUD 1	MISSISSIPPI	1 200	14 000	18
I	COLD SPRING GRANITE CO	FINISHING	SAUK	150	100	9
I	ST REGIS PAPER CO	SARTELL	MISSISSIPPI	2 340	7 400	21
P	MINNESOTA POWER AND LT CO	†BLANCHARD	MISSISSIPPI	12 000	79 000	45
P	MINNESOTA POWER AND LT CO	LITTLE FALLS	MISSISSIPPI	3 520	21 000	24
P	MINNESOTA POWER AND LT CO	SYLVAN	CROW WING	1 800	9 800	22
P	MINNESOTA POWER AND LT CO	PILLAGER	CROW WING	1 520	9 300	22
I	NORTHWEST PAPER CO	BRAINERD	MISSISSIPPI	3 400	15 000	22
P	BLANDIN POWER CO	PRAIRE RIVER	PRAIRIE	1 084	3 400	35
I	BLANDIN PAPER CO	PAPER MILL	MISSISSIPPI	2 200	10 000	20
P	OTTER TAIL POWER CO	BEMIDJI	MISSISSIPPI	740	2 200	22
				191 075	998 650	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	IOWA					
M	OTTUMWA CITY OF	†OTTUMWA	DES MOINES	3 000	14 000	13
M	FORT DODGE CITY OF	HYDRO	DES MOINES	800	3 500	17
P	IOWA PUBLIC SERVICE CO	HUMBOLDT	DES MOINES	525	1 500	18
P	IOWA PUBLIC SERVICE CO	RUTLAND	DES MOINES	800	2 000	15
P	UNION ELECTRIC CO	KEOKUK	MISSISSIPPI	124 800*	770 000	36
P	IOWA ELEC LT AND PWR CO	CEDAR RAPIDS	CEDAR	1 200	3 400	10
M	CEDAR FALLS CITY OF	CEDAR FALLS	CEDAR	1 200	5 200	11
P	INTERSTATE POWER CO	GREENE	SHELLROCK	320	900	11
M	WAVERLY CITY OF	EAST	CEDAR	495	1 700	13
P	IOWA PUBLIC SERVICE CO	NASHUA	CEDAR	576	2 100	17
P	IOWA PUBLIC SERVICE CO	CHARLES CITY	CEDAR	150	500	16
P	INTERSTATE POWER CO	MITCHELL	CEDAR	1 000	1 400	19
P	IOWA ILLINOIS G AND EL CO	CORALVILLE	IOWA	400	1 200	11
I	AMANA WOOLEN MILLS	AMANA	IOWA	300	900	-
P	IOWA ELEC LT AND PWR CO	IOWA FALLS	IOWA	275	1 000	25
P	IOWA ELEC LT AND PWR CO	ANAMOSA	WAPSIPINICON	200	800	9
P	IOWA ELEC LT AND PWR CO	MAQUOKETA	MAQUOKETA	1 200	5 000	25
P	INTERSTATE POWER CO	DELHI	MAQUOKETA	1 500	3 500	40
P	IOWA ELEC LT AND PWR CO	QUAKER MILLS	MAQUOKETA	265	200	16
P	IOWA ELEC LT AND PWR CO	MANCHESTER	MAQUOKETA	250	400	13
P	INTERSTATE POWER CO	ELKADER	TURKEY	422	800	17
				139 678	820 000	
	MISSOURI					
P	EMPIRE DISTRICT ELEC CO	†OZARK BEACH	WHITE	16 000	110 000	48
F	CORPS OF ENGINEERS	TABLE ROCK	WHITE	101 500*	350 000	208
P	UNION ELECTRIC CO OF MO	†OSAGE	OSAGE	176 200*	440 000	92
P	SHO ME POWER CORP	NIANGUA	NIANGUA	3 000	13 000	41
P	MISSOURI PUBLIC SERV CO	OSCEOLA	OSAGE	1 600	7 000	14
				298 300	920 000	
	NORTH DAKOTA					
F	CORPS OF ENGINEERS	GARRISON	MISSOURI	240 000	1 184 000	172
				240 000	1 184 000	
	SOUTH DAKOTA					
P	NORTHERN STS PWR CO MINN	SIOUX FALLS	BIG SIOUX	1 500	7 000	73
F	CORPS OF ENGINEERS	FORT RANDALL	MISSOURI	320 000	1 457 000	131
P	DON JONES	WHITE RIVER	S FK WHITE	350	600	17
P	BLACK HILLS PWR AND LT CO	REDWATER NO 2	REDWATER	346	2 400	50
P	BLACK HILLS PWR AND LT CO	REDWATER NO 1	REDWATER	1 000	4 300	100
I	HOMESTAKE MINING CO	NO 1	SPEARFISH CR	4 000	19 000	667
I	HOMESTAKE MINING CO	NO 2	SPEARFISH CR	4 000	13 000	545
I	HOMESTAKE MINING CO	ENGLEWOOD	ENGLEWOOD CR	400	1 000	486
P	CENTRAL ELEC AND GAS CO	FALL RIVER FALLS	FALL	250	1 500	105
F	BUREAU OF RECLAMATION	ANGOSTURA	S FK CHEYENNE	1 200	6 000	113
				333 046	1 511 800	
	NEBRASKA					
M	FAIRBURY CITY OF	FAIRBURY	LITTLE BLUE	240	300	12
M	CONSUMERS PUB POWER DIST	HEBRON	LITTLE BLUE	120	400	12
M	NORRIS RURAL PUB PWR DIST	BARNESTON	BIG BLUE	720	2 500	-
M	CONSUMERS PUB POWER DIST	BLUE SPRINGS NO 2	BIG BLUE	418	1 200	12
M	CONSUMERS PUB POWER DIST	HOLMESVILLE	BIG BLUE	280	900	14

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NEBRASKA CONTD						
M	CONSUMERS PUB POWER DIST	SEWARD NO 3	W FK BLUE	288	800	20
M	CONSUMERS PUB POWER DIST	SEWARD NO 6	W FK BLUE	150	500	14
M	CONSUMERS PUB POWER DIST	SEWARD NO 2	W FK BLUE	100	500	16
M	CONSUMERS PUB POWER DIST	SEWARD NO 1	BIG BLUE	280	500	15
M	CONSUMERS PUB POWER DIST	SEWARD NO 5	BIG BLUE	240	300	16
M	IMPERIAL CITY OF	IMPERIAL	FRENCHMAN CR	120	500	17
I	NORFOLK CEREAL FLOUR MILL	NORFOLK	ELKHORN	150	400	13
M	NEBRASKA PUB PWR SYSTEM	†COLUMBUS	LOUP CANAL	39 900	120 000	116
M	NEBRASKA PUB PWR SYSTEM	†MONROE	LOUP CANAL	7 838	50 000	35
M	CONSUMERS PUB POWER DIST	FULLERTON	CEDAR	394	1 200	15
M	SPAULDING MUN LT AND PWR	SPAULDING	CEDAR	350	800	16
M	CONSUMERS PUB POWER DIST	ERICSON	CEDAR	350	700	19
M	CONSUMERS PUB POWER DIST	BOELUS	MIDDLE LOUP	2 000	4 500	32
M	NEBRASKA PUB PWR SYSTEM	KEARNEY	PLATTE	1 500	2 900	54
M	NEBRASKA PUB PWR SYSTEM	GOTHENBURG	PLATTE	400	1 700	45
M	NEBRASKA PUB PWR SYSTEM	†JOHNSON NO 2	PLATTE CANAL	18 000	100 000	146
M	NEBRASKA PUB PWR SYSTEM	†JOHNSON NO 1	PLATTE CANAL	18 000	100 000	118
M	NEBRASKA PUB PWR SYSTEM	†JEFFREY CANYON	PLATTE CANAL	18 000	100 000	117
M	NEBRASKA PUB PWR SYSTEM	†NORTH PLATTE	N PLATTE CANAL	26 100	100 000	218
F	CORP OF ENGINEERS	GAVINS POINT	MISSOURI	100 000	633 000	48
M	CONSUMERS PUB POWER DIST	SPENCER	NIOBRARA	2 640	11 000	20
M	CONSUMERS PUB POWER DIST	LONG PINE	LONG PINE CR	150	400	23
M	CONSUMERS PUB POWER DIST	AINSWORTH	PLUM CR	350	1 000	31
M	CONSUMERS PUB POWER DIST	FORT NIOBRARA	NIOBRARA	960	1 700	13
M	CONSUMERS PUB POWER DIST	MINNENICHADUZA	MINNECHADUZA CR	200	400	29
				240 258	1 238 100	
KANSAS						
P	THE EMPIRE DISU ELEC CO	LOWELL	SPRING	3 000	8 500	24
M	BOWERSOCK MLS AND PWR CO	LAWRENCE	KANSAS	1 850	9 300	13
P	THE KANSAS PWR AND LT CO	ROCKY FORD	BIG BLUE	460	1 300	17
P	KANSAS PWR AND LT CO	MARYSVILLE	BIG BLUE	600	400	14
				5 910	19 500	
WEST NORTH CENTRAL TOTAL				1 448 267	6 692 050	
SOUTH ATLANTIC						
DELAWARE						
I	BANCROFT JOS AND SONS CO	WILMINGTON	BRANDYWINE CR	600	100	20
				600	100	
MARYLAND						
P	SUSQUEHANNA ELECTRIC CO	†CONOWINGO	SUSQUEHANNA	254 240*	1 300 000	88
I	DICKEY W J AND SONS INC	OELLA	PATAPSCO	600	3 600	43
P	POTOMAC EDISON CO	ANTIETAM	ANTIETAM CR	125	700	14
P	PENNSYLVANIA ELEC CO	DEEP CREEK	YOUGHIOGHENY	19 200	28 000	437
				274 165	1 332 300	
DISTRICT OF COLUMBIA						
F	CORPS OF ENGINEERS	DALECARLIA	POTOMAC R CANAL	3 000	5 000	140
				3 000	5 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS I/	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
VIRGINIA						
P	NORTHERN VIRGINIA PWR CO	WARREN	SHENANDOAH	750	4 200	8
P	NORTHERN VIRGINIA PWR CO	LURAY	S FK SHENANDOAH	1 600	9 000	14
P	NORTHERN VIRGINIA PWR CO	NEWPORT	S FK SHENANDOAH	1 400	9 000	24
P	NORTHERN VIRGINIA PWR CO	SHENANDOAH	S FK SHENANDOAH	862	4 800	10
P	VIRGINIA EL AND PWR CO	EMBREY	RAPPAHANNOCK	3 150	21 000	51
P	NORTHERN VIRGINIA PWR CO	MADISON	ROBINSON RUN	120	300	18
I	ALLIED CHEM DYE CO	HOPEWELL	APPOMATTOX	7 500	27 000	-
P	VIRGINIA EL AND PWR CO	HARVELL	APPOMATTOX	500	2 500	11
P	VIRGINIA EL AND PWR CO	LOCKS	APPOMATTOX	4 565	20 000	73
P	VIRGINIA EL AND PWR CO	MANCHESTER	JAMES	1 000	2 200	17
P	VIRGINIA EL AND PWR CO	TWELFTH STREET	JAMES	10 550	35 000	22
I	ALBEMARLE PAPER CO	RICHMOND	JAMES	160	400	51
P	VIRGINIA EL AND PWR CO	PARK	JAMES	2 100	13 000	48
I	ALBEMARLE PAPER MFG CO	HOLLYWOOD	JAMES	280	1 100	25
M	RICHMOND DEPT OF PUB UTIL	HOLLYWOOD	JAMES	2 024	14 000	25
P	VIRGINIA EL AND PWR CO	BELLE ISLE	JAMES	3 000	17 000	21
M	RICHMOND DEPT OF PUB UTIL	BYRD PARK	JAMES	1 125	9 600	19
I	ALBERENE STONE CORP OF VA	SCHUYLER	ROCKFISH	780	2 500	32
P	APPALACHIAN POWER CO	REUSENS	JAMES	12 500	42 000	35
I	GLAMORGAN PIPE AND FDRY	LYNCHBURG	JAMES	150	200	18
I	OWENS ILLINOIS GLASS CO	BIG ISLAND	JAMES	480	2 400	12
M	BEDFORD TOWN OF	SNOWDEN	JAMES	970	7 000	18
P	VIRGINIA EL AND PWR CO	CUSHAW	JAMES	7 500	30 000	26
P	VIRGINIA EL AND PWR CO	BALCONY FALLS	JAMES	1 920	12 000	15
M	CRAIG BOTETOURT COOP	NEW CASTLE	MEADOW CR	300	1 600	606
M	BARC ELEC COOP	FALLING SPRINGS	FALLING SPR CR	420	2 900	515
P	VIRGINIA EL AND PWR CO	EMPORIA	MEHERRIN	2 160	9 500	41
F	CORPS OF ENGINEERS	JOHN KERR	ROANOKE	206 000*	440 000	91
P	VIRGINIA EL AND PWR CO	HALIFAX	BANNISTER	1 000	5 900	30
I	DAN RIVER PILLS INC	RIVERSIDE	DAN	2 450	10 000	21
I	DAN RIVER MILLS INC	SCHOOLFIELD	DAN	5 300	15 000	28
M	MARTINSVILLE CITY OF	MARTINSVILLE	SMITHS	1 300	5 000	32
F	CORPS OF ENGINEERS	PHILPOTT	SMITHS	14 000*	27 000	163
P	APPALACHIAN POWER CO	STUART	MAYO	184	600	41
M	DANVILLE WT G AND EL DEPT	PINNACLES	DAN	10 125	30 000	701
P	APPALACHIAN POWER CO	ROCKY MOUNT	PIGG	150	900	25
P	APPALACHIAN POWER CO	NIAGARA	ROANOKE	2 400	13 000	61
P	APPALACHIAN ELEC PWR CO	HOLSTON	M FK HOLSTON	550	2 300	34
M	RADFORD MUNICIPAL PWR	†RADFORD	LITTLE	800	4 000	40
P	APPALACHIAN POWER CO	†CLAYTOR	NEW	75 000	190 000	116
P	APPALACHIAN POWER CO	BUCK	NEW	8 505	32 000	44
P	APPALACHIAN POWER CO	BYLLESBY NO 2	NEW	21 600	48 000	58
I	WASHINGTON MILLS CO	FRIES	NEW	3 050	16 000	40
I	FIELDS MFG CO	MOUTH OF WILSON	WILSON CR	250	600	-
				420 530	1 140 500	
WEST VIRGINIA						
P	POTOMAC LT AND PWR CO	MILLVILLE	SHENANDOAH	2 840	18 000	26
P	POTOMAC LT AND PWR CO	HARPERS FERRY	POTOMAC	840	6 100	26
P	POTOMAC LT AND PWR CO	DAM NO 4	POTOMAC	1 000	7 500	19
P	POTOMAC LT AND PWR CO	DAM NO 5	POTOMAC	1 120	7 600	17
P	POTOMAC LT AND PWR CO	CACAPON	CACAPON	1 120	3 100	24
P	ROYAL GLENN PWR CO	ROYAL GLENN	S BR POTOMAC	400	1 000	9
P	KANAWHA VALLEY POWER CO	†WINFIELD	KANAWHA	14 760	100 000	27
P	KANAWHA VALLEY POWER CO	†MARMET	KANAWHA	14 400	80 000	24
P	KANAWHA VALLEY POWER CO	†LONDON	KANAWHA	14 400	80 000	24
I	UNION CARBIDE CARBON CORP	GLEN FERRIS	KANAWHA	4 680	38 000	36
I	UNION CARBIDE CARBON CORP	ALLOY	NEW	102 000	570 000	164
P	WEST PENN POWER CO	LAKE LYNN	CHEAT	50 000	125 000	82
				207 560	1 036 300	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	NORTH CAROLINA					
P	VIRGINIA EL AND PWR CO	†ROANOKE RAPIDS	ROANOKE	100 080	340 000	78
I	SPRAY COTTON MILLS	SPRAY	SMITHS	1 000	2 600	38
I	WASHINGTON MILLS CO	MAYODAN	MAYO	1 200	6 000	17
P	DUKE POWER CO	WALNUT COVE	DAN	544	1 600	18
I	ROCKY MOUNT MILLS	ROCKY MOUNT	TAR	1 600	4 500	24
M	WILSON UTILITIES	WILSON	CONTENTNEA CR	312	800	13
M	DURHAM CITY OF	LAKE MICHIE	FLAT	1 500	6 600	80
I	BROWER MILLS INC	HOPE MILLS	ROCKFISH CR	450	1 900	24
I	ROCKFISH MILLS INC	HOPE MILLS	ROCKFISH CR	400	2 800	24
P	RAEFORD POWER AND MFG CO	RAEFORD	ROCKFISH CR	800	600	-
P	CAROLINA POWER AND LT CO	BUCKHORN	CAPE FEAR	2 900	10 000	23
P	CAROLINA POWER AND LT CO	LOCKVILLE	DEEP	1 000	4 100	22
P	CAROLINA POWER AND LT CO	CARBONTON	DEEP	500	1 200	12
I	ODELL J M MFG CO	BYNUM	HAW	600	1 600	15
I	SELLERS MFG CO	SAXAPAHAW	HAW	1 500	3 000	12
I	VIRGINIA MILLS INC	SWEPSONVILLE	HAW	900	3 500	15
I	MORGAN COTTON MILLS INC	LAUREL HILL	LITTLE PEE DEE	200	10	-
P	CAROLINA POWER AND LT CO	†BLEWETT	PEE DEE	24 600	130 000	50
P	CAROLINA POWER AND LT CO	EURY	LITTLE CR	600	2 500	48
P	CAROLINA POWER AND LT CO	†TILLERY	YADKIN	62 450*	190 000	72
P	YADKIN INC	†YADKIN FALLS	YADKIN	20 300	130 000	54
P	YADIN INC	†YADKIN NARROWS	YADKIN	81 200	410 000	177
P	YADKIN INC	†HIGH ROCK	YADKIN	33 000	130 000	59
P	DUKE POWER CO	IDOLS	YADKIN	1 411	6 200	10
P	DUKE POWER CO	PILOT MOUNTAIN	ARARAT	500	1 900	18
P	DUKE POWER CO	MOUNT AIRY NO 2	ARARAT	448	1 500	18
P	DUKE POWER CO	MOUNT AIRY NO 1	ARARAT	160	300	18
P	DUKE POWER CO	CARTERS FALLS	ELKIN	180	800	77
I	STOWE MILLS INC	MCADENVILLE	SOUTH FORK	800	3 200	-
P	DUKE POWER CO	SPENCER MOUNTAIN	SOUTH FORK	640	4 600	24
I	HARDEN MFG CO	DALLAS	SOUTH FORK	200	700	-
I	CAROLINIAN MILLS	HIGH SHOALS NO 3	SOUTH FORK	1 700	5 400	25
I	D E RHYNE MILLS INC	LINCOLN PLANT	SOUTH FORK	250	1 200	-
I	LONG SHOALS COTTON MILLS	LINCOLNTON	SOUTH FORK	424	1 300	-
I	HENRY RIVER MILLS CO	HENRY RIVER	HENRY FORK	125	500	35
P	DUKE POWER CO	†MOUNTAIN ISLAND	CATAWBA	60 000	100 000	76
P	DUKE POWER CO	†LOOKOUT SHOALS	CATAWBA	19 370*	84 000	77
P	DUKE POWER CO	†OXFORD	CATAWBA	36 000	91 000	90
P	DUKE POWER CO	LITTLE RIVER	LITTLE	500	500	50
P	DUKE POWER CO	GUNPOWDER NO 2	GUNPOWDER CR	100	200	25
P	DUKE POWER CO	GUNPOWDER NO 1	GUNPOWDER CR	400	1 200	75
P	DUKE POWER CO	†RHODHISS	CATAWBA	25 500	53 000	59
P	DUKE POWER CO	†BRIDGEWATER	CATAWBA	20 000	38 000	137
P	DUKE POWER CO	LAKE TAHOMA	BUCK CR	240	1 000	60
I	LILY MILLS CO	SHELBY	FIRST BROAD	600	1 800	25
I	CLEVELAND MILL AND PWR CO	LAWNDALE	FIRST BROAD	888	2 600	-
I	CONE MILLS CORP	CLIFFSIDE	SECOND BROAD	1 625	2 900	30
P	DUKE POWER CO	TURNER SHOALS	GREEN	5 500	14 000	85
P	DUKE POWER CO	TUXEDO	GREEN	5 000	21 000	296
P	CAROLINA MOUNTAIN PWR CO	LAKE LURE	BROAD	3 600	8 000	100
F	TENNESSEE VALLEY AUTH	HIWASSEE 2/	HIWASSEE	117 100	265 000	246
P	NANTAHALA POWER AND LT CO	MISSION	HIWASSEE	1 800	12 000	40
P	TENNESSEE VALLEY AUTH	CHATUGE	HIWASSEE	10 000	30 000	124
F	TAPOCO INC	†SANTEETLAH	CHEOAH	45 000	190 000	663
P	TAPOCO INC	†CHEOAH	LITTLE TENNESSEE	110 000	500 000	189
F	TENNESSEE VALLEY AUTH	FONTANA	LITTLE TENNESSEE	202 600*	910 000	430
P	NANTAHALA PWR AND LT CO	BRYSON CITY	OCONALUFTY	980	6 600	35
P	NANTAHALA PWR AND LT CO	DILLSBORO	TUCKASEGEE	225	1 400	12
P	NANTAHALA PWR AND LT CO	TUCKASEGEE	W FK TUCKASEGEE	3 000	12 000	120
P	NANTAHALA PWR AND LT CO	THORPE	W FK TUCKASEGEE	21 600	89 000	1 207

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NORTH CAROLINA CONTD						
P	NANTAHALA PWR AND LT CO	CEDAR CLIFF	E FK TUCKASEGEE	6 375	24 000	173
P	NANTAHALA PWR AND LT CO	BEAR CREEK	E FK TUCKASEGEE	9 000	32 000	232
P	NANTAHALA PWR AND LT CO	TENNESSEE CREEK	E FK TUCKASEGEE	10 800	40 000	520
P	NANTAHALA PWR AND LT CO	QUEENS CREEK	NANTAHALA	1 440	6 000	1 001
P	NANTAHALA PWR AND LT CO	NANTAHALA	NANTAHALA	43 200	230 000	1 006
P	NANTAHALA PWR AND LT CO	FRANKLIN	LITTLE TENNESSEE	1 040	7 600	26
M	HIGHLANDS TOWN OF	↑HIGHLANDS	CULLASAJA CR	250	1 200	-
P	CAROLINA POWER AND LT CO	↑WALTERS	BIG PIGEON	108 600*	310 000	861
M	FRENCH BROAD EL MEMB CORP	MARSHALL	FRENCH BROAD	400	1 600	14
P	CAROLINA POWER AND LT CO	MARSHALL	FRENCH BROAD	3 000	18 000	33
P	CAROLINA POWER AND LT CO	WEAVER	FRENCH BROAD	2 500	9 000	23
P	CASCADE POWER CO	CASCADE	LITTLE	600	4 300	-
M	BLUE RIDGE EL MEMB CORP	SHARPE FALLS	NEW	175	1 000	16
M	NEW RIVER LT AND POWER CO	HYDRO	NEW	180	900	-
				1, 223 662	4 531 710	
SOUTH CAROLINA						
I	SONOCO PRODUCTS CO	HARTSVILLE	BLACK CR	318	800	-
M	SO CAROLINA PUB SERV AUTH	↑PINOPOLIS	SANTEE COOPER	132 615	640 000	70
M	SO CAROLINA PUB SERV AUTH	↑SPILLWAY	SANTEE	1 920	14 000	47
P	DUKE POWER CO	↑WATEREE	WATEREE	56 000	190 000	77
P	DUKE POWER CO	↑ROCKY CREEK	CATAWBA	24 400*	6 000	58
P	DUKE POWER CO	↑CEDAR CREEK	CATAWBA	45 000	110 000	57
P	DUKE POWER CO	↑DEARBORN	CATAWBA	45 000	85 000	69
P	DUKE POWER CO	↑GREAT FALLS	CATAWBA	24 800*	48 000	71
P	DUKE POWER CO	↑FISHING CREEK	CATAWBA	36 720	110 000	58
P	DUKE POWER CO	↑CATAWBA	CATAWBA	60 000	110 000	68
P	SO CAROLINA EL AND GAS CO	↑COLUMBIA	BROAD	10 600	50 000	32
P	SO CAROLINA EL AND GAS CO	↑PARR	BROAD	14 880	75 000	35
I	RIVERDALE MILLS	SPARTANBURG	ENOREE	1 300	4 900	42
P	DUKE POWER CO	VAN PATTON	ENOREE	600	3 200	55
I	STARTEX MILL	PRINT CRASH	SOUTH TIGER	3 200	5 400	72
I	VICTOR MONAGHAN CO	APALACHE	SOUTH TIGER	1 300	2 200	50
P	UNION MFG AND POWER CO	NEAL SHOALS	BROAD	5 200	30 000	25
P	LOCKHART POWER CO	LOCKHART	BROAD	12 300	60 000	52
I	PACOLET MANUFACTURING CO	PACOLET S C	PACOLET	2 500	8 300	27
I	CLIFTON MFG CO	CLIFTON	PACOLET	2 575	9 100	34
I	PEQUOT MILLS INC	WHITNEY	LAWSON FORK	180	200	-
M	SPARTANBURG COMM PUB WKS	SPARTANBURG	S FK PACOLET	1 000	2 500	65
I	FRANKLIN PROC SPINN MILL	FINGERVILLE	N FK PACOLET	125	700	-
P	DUKE POWER CO	99 ISLANDS	BROAD	18 250*	56 000	68
P	DUKE POWER CO	GASTON SHOALS	BROAD	9 265*	36 000	46
P	SO CAROLINA EL AND GAS CO	↑SALUDA	SALUDA	130 000	220 000	180
M	GREENWOOD COUNTY COMM	↑BUZZARD ROOST	SALUDA	15 000	46 000	55
P	DUKE POWER CO	BOYDS MILL	REEDY	995*	5 000	42
P	DUKE POWER CO	TUMBLING SHOALS	REEDY	300	500	16
I	RIEDEL TEXTILE CO	WARE SHOALS	SALUDA	4 266	17 000	66
P	BELTON LIGHT AND POWER CO	HOLIDAYS BRIDGE	SALUDA	3 500	12 000	41
I	PELZER MILLS	PELZER	SALUDA	5 300	21 000	39
I	PIEDMONT MFG CO	PIEDMONT	SALUDA	1 900	6 700	24
P	DUKE POWER CO	SALUDA	SALUDA	2 670*	8 000	41
I	GRANITEVILLE CO	GRANITEVILLE	HORSE CR	450	1 200	42
I	GRANITEVILLE CO	VAUCLUSE	HORSE CR	480	800	53
F	CORPS OF ENGINEERS	CLARK HILL	SAVANNAH	282 000*	700 000	136
M	ABBEVILLE WTR EL PLT	ABBEVILLE	ROCKY	2 800	9 200	80
P	DUKE POWER CO	PORTMAN SHOALS	SENECA	5 740*	23 000	46
I	UTICA MOHAWK COTTON MILLS	SENECA DIVISION	CONERROSS CR	900	2 300	56
I	ABNEY MILLS	COURTENAY MILL	LITTLE	1 200	2 400	25
I	NORRIS COTTON MILLS CO	CATEECHEE	TWELVE MILE CR	900	4 200	-
				968 449	2 736 600	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
GEORGIA						
I	GRANITEVILLE CO	ENTERPRISE	SAVANNAH	1 200	6 200	30
I	GRANITEVILLE CO	SIBLEY	SAVANNAH	2 100	11 000	30
P	SO CAROLINA EL AND G CO	STEVENS CREEK	SAVANNAH	18 880	90 000	29
P	GEORGIA POWER CO	YONAH	TUGALO	22 500	51 000	70
P	GEORGIA POWER CO	TUGALO	TUGALO	45 000	110 000	144
P	GEORGIA POWER CO	TALLULAH FALLS	TALLULAH	72 000	170 000	603
P	GEORGIA POWER CO	TERRORA	TALLULAH	16 000	46 000	189
P	GEORGIA POWER CO	NACOOCHEE	TALLULAH	4 800	14 000	61
P	GEORGIA POWER CO	BURTON	TALLULAH	6 120	20 000	114
P	GEORGIA POWER CO	*SINCLAIR	OCONEE	45 000	160 000	90
P	GEORGIA POWER CO	BARNETT SHOALS	OCONEE	2 800	15 000	50
P	GEORGIA POWER CO	MITCHELL	M FK OCONEE	500	2 300	22
P	GEORGIA POWER CO	TALLASSEE	M FK OCONEE	1 500	5 000	41
I	JULIETTE MILLING CO	MACON	OCMULGEE	1 022	2 000	-
P	GEORGIA POWER CO	LLOYD SHOALS	OCMULGEE	14 400	67 000	102
I	BIBB MFG CO	PORTERDALE	YELLOW	1 500	8 200	48
I	CALLAWAY MILLS	MILSTEAD	YELLOW	800	2 900	42
P	GEORGIA POWER CO	CREDILLE	PATAULA CR	1 680	9 200	30
I	EAGLE AND PHENIX MILLS	COLUMBUS	CHATTAHOOCHEE	4 100	25 000	26
I	CITY MILLS CO	COLUMBUS	CHATTAHOOCHEE	180	300	10
P	GEORGIA POWER CO	NO HIGHLAND	CHATTAHOOCHEE	6 900	45 000	38
P	GEORGIA POWER CO	*OLIVER	CHATTAHOOCHEE	60 000	255 000	68
P	GEORGIA POWER CO	*GOAT ROCK	CHATTAHOOCHEE	26 000	164 000	65
P	GEORGIA POWER CO	*BARTLETTS FERRY	CHATTAHOOCHEE	65 000	350 000	116
P	GEORGIA POWER CO	RIVERVIEW	CHATTAHOOCHEE	480	2 700	15
P	GEORGIA POWER CO	LANGDALE	CHATTAHOOCHEE	4 010	20 000	15
P	GEORGIA POWER CO	*MORGAN FALLS	CHATTAHOOCHEE	16 800	50 500	46
F	CORPS OF ENGINEERS	BUFORD	CHATTAHOOCHEE	86 000	173 000	150
I	HABERSHAM MILLS	HABERSHAM	SOGUE	1 640	4 700	67
P	GEORGIA POWER CO	*FLINT R	FLINT	5 400	47 000	27
M	CRISP COUNTY POWER COMM	*CORDELE	FLINT	15 200	58 000	30
P	GEORGIA POWER CO	WHITewater	WHITewater CR	340	1 100	10
I	THOMPSON WEINMAN CO	CARTERSVILLE	ETOWAH	625	3 500	-
F	CORPS OF ENGINEERS	ALLATOONA	ETOWAH	74 000*	150 000	141
F	TENNESSEE VALLEY AUTH	BLUE RIDGE	TOCCOA	20 000	35 000	145
F	TENNESSEE VALLEY AUTH	NOTTELY	NOTTELY	15 000	37 000	169
				659 477	2 211 600	
FLORIDA						
P	FLORIDA POWER CORPORATION	*MOSS BLUFF	OKLAWAHA	480	1 700	12
P	FLORIDA POWER CORPORATION	DUNNELLON	WITHLACOOCHEE	3 213	14 000	25
P	FLORIDA POWER CORPORATION	*JACKSON BLUFF	OCKLOCKONEE	8 800	12 000	35
P	FLORIDA PUB UTILITIES CO	BLUE SPRINGS	MERRITTS POND	168	500	14
F	CORPS OF ENGINEERS	JIM WOODRUFF	APALACHICOLA	30 000	206 000	32
				42 661	234 200	
	<u>SOUTH ATLANTIC TOTAL</u>			<u>3 800 104</u>	<u>13 228 210</u>	
EAST SOUTH CENTRAL						
KENTUCKY						
F	TENNESSEE VALLEY AUTH	KENTUCKY	TENNESSEE	160 320*	1 160 000	50
F	CORPS OF ENGINEERS	WOLF CREEK	CUMBERLAND	271 200*	870 000	163
P	LOUISVILLE GAS AND EL CO	*OHIO FALLS	OHIO	80 320	390 000	33
P	KENTUCKY UTILITIES CO	*LOCK NO 7	KENTUCKY	2 040	11 000	15
P	KENTUCKY UTILITIES CO	DIX RIVER	DIX	28 500	65 000	243
				542 380	2 496 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
TENNESSEE						
F	TENNESSEE VALLEY AUTH	COLUMBIA	DUCK	800	1 600	15
F	TENNESSEE VALLEY AUTH	PICKWICK LANDING	TENNESSEE	216 320*	1 330 000	46
F	TENNESSEE VALLEY AUTH	HALES BAR	TENNESSEE	99 700	550 000	33
F	TENNESSEE VALLEY AUTH	CHICKAMAUGA	TENNESSEE	108 240*	760 000	45
F	TENNESSEE VALLEY AUTH	OCOEE NO 1	OCOEE	18 000	65 000	116
F	TENNESSEE VALLEY AUTH	OCOEE NO 2	OCOEE	21 000	130 000	245
F	TENNESSEE VALLEY AUTH	OCOEE NO 3	OCOEE	27 028*	180 000	308
F	TENNESSEE VALLEY AUTH	APALACHIA	HIWASSEE	75 000	460 000	439
F	TENNESSEE VALLEY AUTH	WATTS BAR	TENNESSEE	150 240*	790 000	54
F	TENNESSEE VALLEY AUTH	NORRIS	CLINCH	100 800	400 000	194
P	TAPOCO INC	†CHILHOWEE	LITTLE TENNESSEE	50 000	186 000	62
P	TAPOCO INC	†CALDERWOOD	LITTLE TENNESSEE	121 500	600 000	217
F	TENNESSEE VALLEY AUTH	FORT LOUDOUN	TENNESSEE	128 240*	530 000	70
F	TENNESSEE VALLEY AUTH	DOUGLAS	FRENCH BROAD	112 160*	360 000	124
F	TENNESSEE VALLEY AUTH	NOLICHUCKY	NOLICHUCKY	10 640	40 000	68
F	TENNESSEE VALLEY AUTH	CHEROKEE	HOLSTON	120 160*	330 000	148
F	TENNESSEE VALLEY AUTH	WILBUR	WATAUGA	10 700	25 000	64
F	TENNESSEE VALLEY AUTH	WATAUGA	WATAUGA	50 000	120 000	325
F	TENNESSEE VALLEY AUTH	FT PATRICK HENRY	S FK HOLSTON	36 000	100 000	67
F	TENNESSEE VALLEY AUTH	BOONE	S FK HOLSTON	75 000	190 000	118
F	TENNESSEE VALLEY AUTH	SOUTH HOLSTON	S FK HOLSTON	35 000	120 000	253
F	CORPS OF ENGINEERS	CHEATHAM	CUMBERLAND	24 000	120 000	27
F	CORPS OF ENGINEERS	OLD HICKORY	CUMBERLAND	100 000	420 000	60
F	CORPS OF ENGINEERS	CENTER HILL	CANEY FORK	135 800*	350 000	162
F	TENNESSEE VALLEY AUTH	GREAT FALLS	CANEY FORK	31 860	150 000	147
F	CORPS OF ENGINEERS	DALE HOLLOW	OBEY	54 600*	130 000	139
				1 912 788	8 437 600	
ALABAMA						
M	ALABAMA ELECTRIC COOP INC	ELBA	PEA	1 450	7 000	30
M	ALABAMA ELECTRIC COOP INC	POINT A HYDRO	CONECUH	5 200	25 000	41
M	ALABAMA ELECTRIC COOP INC	GANTT	CONECUH	2 440	9 200	30
I	MT VERNON WOODBERRY MILLS	TALLASSEE MILLS	TALLAPOOSA	8 000	25 000	90
P	ALABAMA POWER CO	THURLOW DAM	TALLAPOOSA	50 000	228 000	90
P	ALABAMA POWER CO	YATES	TALLAPOOSA	32 000	136 000	53
P	ALABAMA POWER CO	†MARTIN DAM	TALLAPOOSA	154 200	340 000	145
P	ALABAMA POWER CO	†JORDAN DAM	COOSA	100 000	691 000	89
P	ALABAMA POWER CO	†MITCHELL	COOSA	72 500	390 000	66
P	ALABAMA POWER CO	†LAY DAM	COOSA	81 000	380 000	69
F	TENNESSEE VALLEY AUTH	WILSON	TENNESSEE	436 750*	2 390 000	88
F	TENNESSEE VALLEY AUTH	WHEELER	TENNESSEE	259 360*	1 230 000	48
F	TENNESSEE VALLEY AUTH	GUNTERSVILLE	TENNESSEE	97 440*	740 000	38
				1 300 340	6 591 200	
MISSISSIPPI				0	0	
				0	0	
EAST SOUTH CENTRAL TOTAL				3 755 508	17 524 800	
WEST SOUTH CENTRAL						
ARKANSAS						
F	CORPS OF ENGINEERS	NARROWS	LITTLE MISSOURI	17 000	28 000	144
P	ARKANSAS PWR AND LT CO	†REMMEL	OUACHITA	9 300	49 000	50
P	ARKANSAS PWR AND LT CO	†CARPENTER	OUACHITA	56 000	110 000	95
F	CORPS OF ENGINEERS	BLAKELY MOUNTAIN	OUACHITA	75 000	160 000	181
P	ARKANSAS MISSOURI P CORP	HILTON DAM NO 3	SPRING	600	3 600	20

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	ARKANSAS CONTD					
P	ARKANSAS MISSOURI P CORP	MAMMOTH SPRINGS	SPRING	440	2 500	20
F	CORPS OF ENGINEERS	NORFORK	NORTH FORK	70 400*	200 000	174
F	CORPS OF ENGINEERS	BULL SHOALS	WHITE	162 000*	650 000	198
				390 740	1 203 100	
	LOUISIANA			0	0	
				0	0	
	OKLAHOMA					
F	CORPS OF ENGINEERS	TEN KILLER FERRY	ILLINOIS	34 000	120 000	142
F	CORPS OF ENGINEERS	FORT GIBSON	GRAND	45 000	190 000	60
M	EUCHA CITY OF	EUCHA	SPAVINAW CR	100	100	-
M	GRAND RIVER DAM AUTHORITY	↑PENSACOLA	GRAND	86 900*	330 000	121
				166 000	640 100	
	TEXAS					
F	CORPS OF ENGINEERS	WHITNEY	BRAZOS	30 000	83 000	89
M	BRAZOS RIVER AUTHORITY	↑MORRIS SHEPPARD	BRAZOS	22 500	89 000	130
M	AUSTIN CITY OF	AUSTIN	COLORADO	13 500	70 000	62
M	LOWER COLORADO R AUTH	MARSHALL FORD	COLORADO	67 500	200 000	150
M	LOWER COLORADO R AUTH	MARBLE FALLS	COLORADO	30 000	56 000	57
M	LOWER COLORADO R AUTH	GRANITE SHOAL	COLORADOS	45 000	86 000	87
M	LOWER COLORADO R AUTH	INKS	COLORADO	12 500	46 000	61
M	LOWER COLORADO R AUTH	BUCHANAN 2/	COLORADO	33 750	100 000	132
P	CENTRAL PWR AND LT CO	CUERO	GUADALUPE	1 050	4 500	15
P	CENTRAL PWR AND LT CO	GONZALES	GUADALUPE	1 200	4 500	15
I	C ZEDLER AND SONS	LULING	SAN MARCOS	200	400	9
P	TEXAS HYDRO ELEC CORP	H 5	GUADALUPE	2 400	8 200	28
P	TEXAS HYDRO ELEC CORP	H 4	GUADALUPE	2 400	8 400	28
P	TEXAS POWER CORP	NOLTE TP 5	GUADALUPE	2 480	7 800	27
M	SEGUIN CITY OF	SEGUIN	GUADALUPE	250	1 600	9
P	TEXAS HYDRO ELEC CORP	TP 4	GUADALUPE	2 400	8 600	29
P	TEXAS POWER CORP	ABBOTT TP 3	GUADALUPE	2 800	10 000	31
P	TEXAS POWER CORP	DUNLAP TP 1	GUADALUPE	3 600	15 000	46
M	LOWER COLORADO R AUTH	LANDA	COMAL	600	500	24
F	INTL BNDRY AND WTR COMM	FALCON	RIO GRANDE	31 500	130 000	117
P	CENTRAL PWR AND LT CO	EAGLE PASS	RIO GRANDE CANAL	9 600	50 000	83
P	CENTRAL PWR AND LT CO	LAKE WALK	DEVILS	1 350	5 100	35
P	CENTRAL PWR AND LT CO	DEVILS LAKE	DEVILS	1 800	6 000	45
M	RED BLUFF W PWR CONT DIST	RED BLUFF	PECOS	2 300	7 000	83
F	CORPS OF ENGINEERS	DENISON	RED	71 200*	270 000	104
				391 880	1 267 600	
	<u>WEST SOUTH CENTRAL TOTAL</u>			<u>948 620</u>	<u>3 110 800</u>	
	<u>MOUNTAIN</u>					
	MONTANA					
P	THE MONTANA POWER CO	MYSTIC LAKE	W ROSEBUD CR	10 000	52 000	51 128
F	CORPS OF ENGINEERS	FORT PECK	MISSOURI	85 000	670 000	213
P	THE MONTANA POWER CO	↑MORONY	MISSOURI	45 000	310 000	83
P	THE MONTANA POWER CO	↑RYAN	MISSOURI	48 000	450 000	151
P	THE MONTANA POWER CO	↑COCHRANE	MISSOURI	48 000	225 000	54 76
P	THE MONTANA POWER CO	↑RAINBOW	MISSOURI	35 600	270 000	86 112
P	THE MONTANA POWER CO	↑BLACK EAGLE	MISSOURI	16 800	138 000	52
P	THE MONTANA POWER CO	↑HOLTER	MISSOURI	38 400	250 000	109
P	THE MONTANA POWER CO	↑HAUSER LAKE	MISSOURI	17 000	110 000	67
F	BUREAU OF RECLAMATION	CANYON FERRY	MISSOURI	50 000	330 000	75 150

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	MONTANA CONTD					
P	THE MONTANA POWER CO	†MADISON NO 2	MADISON	9 000	73 000	93 119
P	THE WASHINGTON WTR PWR CO	†NOXON RAPIDS	CLARK FORK	252 000	1 300 000	59 160
P	THE MONTANA POWER CO	†THOMPSON FALLS	CLARK FORK	30 000	310 000	118 60
P	THE MONTANA POWER CO	†KERR	FLATHEAD	168 000	1 060 000	12 187
P	PACIFIC PWR AND LT CO	BIG FORK	SWAN	4 150	31 000	95 105
F	BUREAU OF RECLAMATION	HUNGRY HORSE	S FK FLATHEAD	285 000	827 000	33 477
F	BUREAU OF INDIAN AFFAIRS	BIG CREEK	BIG CR	360	1 100	565
P	THE MONTANA POWER CO	MILLTOWN	CLARK FORK	3 040	20 000	32
P	THE MONTANA POWER CO	†FLINT CREEK	FLINT CR	1 100	8 000	717
P	MONTANA LT AND PWR CO	TROY	LAKE CR	4 500	25 000	161
				1 150 950	6 460 100	
	IDAHO					
P	UTAH POWER AND LIGHT CO	†ONEIDA	BEAR	30 000	53 000	145
P	UTAH POWER AND LIGHT CO	COVE	BEAR	7 500	24 000	93
P	UTAH POWER AND LIGHT CO	GRACE	BEAR	44 000	120 000	525
P	UTAH POWER AND LIGHT CO	†SODA	BEAR	14 000	26 000	79
M	SODA SPRINGS CITY OF	SODA SPRINGS	SODA CR	680	3 600	-
P	UTAH POWER AND LIGHT CO	†PARIS	PARIS CR	650	2 900	346
P	THE WASHINGTON WTR PWR CO	†LEWISTON	CLEARWATER	10 000	81 000	35
P	THE WASHINGTON WTR PWR CO	†GRANGEVILLE	S FK CLEARWATER	1 000	4 600	60
P	IDAHO POWER CO	†BROWNLEE	SNAKE	360 400	2 450 000	277
F	BUREAU OF RECLAMATION	BLACK CANYON	PAYETTE	8 000	74 000	93
P	IDAHO POWER CO	CASCADE	N FK PAYETTE	300	2 700	37
F	BUREAU OF RECLAMATION	BOISE RIVER	BOISE	1 500	7 000	31
P	ATLANTA POWER CO	ATLANTA	M FK BOISE	150	200	98
F	BUREAU OF RECLAMATION	ANDERSON RANCH	S FK BOISE	27 000	140 000	330
P	IDAHO POWER CO	†SWAN FALLS	SNAKE	10 265	97 000	24
P	IDAHO POWER CO	LOWER MALAD	MALAD	13 500	110 000	161
P	IDAHO POWER CO	UPPER MALAD	MALAD	7 200	65 000	129
P	IDAHO POWER CO	†C J STRIKE	SNAKE	82 800	540 000	88
P	IDAHO POWER CO	†BLISS	SNAKE	75 000	414 000	70
P	IDAHO POWER CO	†LOWER SALMON	SNAKE	60 000	288 000	59
P	IDAHO POWER CO	UPPER SALMON	SNAKE	34 500	317 000	45
P	IDAHO POWER CO	THOUSAND SPRINGS	SPRINGS	8 000	64 000	182
P	IDAHO POWER CO	CLEAR LAKE	SPRINGS	2 500	18 000	79
P	IDAHO POWER CO	SHOSHONE FALLS	SNAKE	10 880	101 000	214
P	IDAHO POWER CO	†TWIN FALLS	SNAKE	13 500	77 000	147
F	BUREAU OF RECLAMATION	MINIDOKA	SNAKE	13 400	97 000	48
P	IDAHO POWER CO	AMERICAN FALLS	SNAKE	27 500	148 000	49
P	CALIF PACIFIC UTIL CO	†MALAD CITY	BIRCH CR	200	1 500	510
M	IDAHO FALLS CITY OF	✓LOWER HYDRO NO 4	SNAKE	3 000	24 000	20
M	IDAHO FALLS CITY OF	✓CITY	SNAKE	2 000	14 000	22
M	IDAHO FALLS CITY OF	UPPER HYDRO NO 2	SNAKE	2 400	16 000	21
P	TETON VALLEY PWR MILL CO	FELT	TETON	1 870	9 000	90
P	UTAH POWER AND LIGHT CO	✓ST ANTHONY	HENRYS FORK	500	3 600	10
P	UTAH POWER AND LIGHT CO	✓ASHTON	HENRYS FORK	5 800	31 000	48
F	BUREAU OF RECLAMATION	✓PALISADES	SNAKE	114 000	557 000	245
P	THE WASHINGTON WTR PWR CO	POST FALLS	SPOKANE	11 250	81 000	55
P	CITIZENS UTILITIES CO	†WALLACE	PLACER CR	240	-	312
I	HECLA MINING CO	HECLA MINE	CANYON CR	250	700	256
F	CORPS OF ENGINEERS	ALBENI FALLS	PEND OREILLE	42 600	210 000	28
P	THE WASHINGTON WTR PWR CO	†CABINET GORGE	CLARK FORK	200 000	1 100 000	97
M	BONNERS FERRY VILLAGE OF	†MOYIE NO 2	MOYIE	2 000	8 000	200
M	BONNERS FERRY VILLAGE OF	MOYIE NO 1	MOYIE	380	-	60
				1 250 715	7 380 800	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WYOMING						
F	BUREAU OF RECLAMATION	GUERNSEY	NORTH PLATTE	4 800	27 000	86
F	BUREAU OF RECLAMATION	GLENDO	NORTH PLATTE	24 000	76 000	140
F	BUREAU OF RECLAMATION	ALCOVA	NORTH PLATTE	36 000	120 000	160
F	BUREAU OF RECLAMATION	KORTES	NORTH PLATTE	36 000	150 000	204
F	BUREAU OF RECLAMATION	SEMINOE	NORTH PLATTE	32 400	120 000	217
P	PACIFIC POWER AND LT CO	BUFFALO	CLEAR CR	400	4 000	355
F	BUREAU OF RECLAMATION	HEART MOUNTAIN	SHOSHONE	5 000	50 000	276
F	BUREAU OF RECLAMATION	SHOSHONE	SHOSHONE	5 600	45 000	225
F	BUREAU OF RECLAMATION	BOYSEN	BIG HORN	15 000	72 000	115
F	BUREAU OF RECLAMATION	PILOT BUTTE	WIND	1 600	14 000	105
P	PACIFIC POWER AND LT CO	SINKS	POPO AGIE	552	2 300	220
F	NATIONAL PARK SERVICE	MAMMOTH	GARDINER	600	1 400	310
P	CALIF PACIFIC UTIL CO	*COKEVILLE	PINE CR	350	1 000	120
M	LOWER VAL PWR AND LT INC	FREEDOM	SALT	600	2 300	-
M	LOWER VAL PWR AND LT INC	*STRAWBERRY	STRAWBERRY CR	1 500	8 000	512
M	LOWER VAL PWR AND LT CO	*AFTON LOWER	SWIFT CR	180	-	68
M	LOWER VAL PWR AND LT CO	*AFTON UPPER	SWIFT CR	800	2 700	193
M	LOWER VAL PWR AND LT CO	*JACKSON NO 1	FLAT CR	455	1 400	136
				165 837	697 100	
COLORADO						
M	COLORADO SPRINGS CITY OF	MANITOU SPRINGS	RUXTON CR	5 000	15 000	2 421
M	COLORADO SPRINGS CITY OF	RUXTON PARK	RUXTON CR	1 000	2 600	1 165
P	SOUTHERN COLORADO PWR CO	SKAGUAY	BEAVER CR	1 560*	9 000	1 164
P	PUBLIC SERVICE CO OF COLO	SALIDA NO 2	ARKANSAS	800	3 900	347
P	PUBLIC SERVICE CO OF COLO	SALIDA NO 1	ARKANSAS	1 070	4 400	435
M	LOVELAND CITY OF	LOVELAND	THOMPSON	900	4 700	345
F	BUREAU OF RECLAMATION	BIG THOMPSON	BIG THOMPSON	4 500	15 000	178
F	BUREAU OF RECLAMATION	FLATIRON 1 AND 2	COLO BIG THOM DIV	63 000	280 000	1 113
F	BUREAU OF RECLAMATION	FLATIRON 3 2/	COLO BIG THOM DIV	8 500	1 000	286
F	BUREAU OF RECLAMATION	POLE HILL	COLO BIG THOM DIV	33 250	230 000	840
F	BUREAU OF RECLAMATION	ESTES	COLO BIG THOM DIV	45 000	120 000	572
F	BUREAU OF RECLAMATION	MARYS LAKE	COLO BIG THOM DIV	8 100	45 000	217
M	TOWN OF ESTES PARK	ESTES PARK	FALL	880	2 300	547
M	LONGMONT CITY OF	LONGMONT	ST VRAIN CR	400	3 000	500
I	OZARK MAHONING CO	WANO MILL	JAMES CR	150	200	-
P	PUBLIC SERVICE CO OF COLO	BOULDER	MIDDLE BOULDER CR	20 000	33 000	1 828
P	FALL RIVER POWER CO	*FALL RIVER	FALL	600		650
P	PUBLIC SERVICE CO OF COLO	GEORGETOWN	S CLEAR CR	1 440	6 800	700
P	THE WESTERN COLORADO P CO	*TACOMA	LAS ANIMAS	8 000	22 000	982
M	LA PLATA ELEC ASSN INC	PAGOSA SPRINGS	SAN JUAN	200	400	-
P	THE WESTERN COLORADO P CO	*ILIMUM	LAKE FORK	1 200	7 600	500
P	THE WESTERN COLORADO P CO	*NEW AMES	LAKE FORK	3 600	13 000	911
M	REDLANDS WATER AND PWR CO	REDLANDS	GUNNISON	1 400	9 000	35
P	THE WESTERN COLORADO P CO	OURAY	UNCOMPAHGRE	432	3 500	432
F	BUREAU OF RECLAMATION	PALISADE	COLORADO	3 000	21 000	80
M	GLENWOOD SPRINGS CITY OF	GLENWOOD SPRINGS	COLORADO	200	1 500	175
M	ASPEN ELECTRIC DEPT	ASPEN	ROARING FORK	1 400	2 000	18
P	PUBLIC SERVICE CO OF COLO	SHOSHONE	COLORADO	14 400	110 000	170
I	NEW JERSEY ZINC CO	EAGLE	FALL CR	358	980	625
F	BUREAU OF RECLAMATION	GREEN MOUNTAIN	BLUE	21 600	70 000	259
M	DENVER CITY AND COUNTY	WILLIAMS FORK	WILLIAMS FORK	3 000	9 000	196
				254 940	1 045 880	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NEW MEXICO						
P	SOUTHWESTERN PUB SERV CO	CARLSBAD	PECOS	330	1 000	17
F	BUREAU OF RECLAMATION	ELEPHANT BUTTE	RIO GRANDE	24 300	96 000	190
M	FARMINGTON TOWN OF	FARMINGTON	LAS ANIMAS	200	700	26
				24 830	97 700	
ARIZONA						
M	SALT R PROJ AG IMP P DIST	CROSS CUT	CROSS CUT CANAL	3 000	7 000	116
M	SALT R PROJ AG IMP P DIST	SOUTH CONSOL	CONSOLIDATED CAN	800	4 500	34
P	ARIZ PUBLIC SERVICE CO	†CHILDS	VERDE	5 400	24 000	1 075
P	ARIZ PUBLIC SERVICE CO	†IRVING	FOSSIL CR	1 600	11 000	482
M	SALT R PROJ AG IMP P DIST	STEWART MOUNTAIN	SALT	10 400	25 000	116
M	SALT R PROJ AG IMP P DIST	MORMON FLAT	SALT	7 000	35 000	131
M	SALT R PROJ AG IMP P DIST	HORSE MESA	SALT	30 000	130 000	266
M	SALT R PROJ AG IMP P DIST	ROOSEVELT	SALT	19 690*	60 000	226
F	BUREAU OF INDIAN AFFAIRS	COOLIDGE	GILA	10 000	11 000	205
F	BUREAU OF RECLAMATION	DAVIS	COLORADO	225 000	1 510 000	135
F	BUREAU OF RECLAMATION	HOOVER *	COLORADO	669 900*	2 840 000	530
				982 790	4 657 500	
UTAH						
P	UTAH POWER AND LIGHT CO	CUTLER	BEAR	30 000	89 000	127
P	UTAH POWER AND LIGHT CO	HYRUM	BLACKSMITH FORK	2 000	6 500	256
M	HYRUM CITY CORP	†HYRUM	BLACKSMITH FORK	400	3 000	-
M	UTAH STATE AGR COLLEGE	LOGAN	LOGAN	450	1 500	30
P	UTAH POWER AND LIGHT CO	†LOGAN	LOGAN	2 000	12 000	213
M	LOGAN CITY OF	LOGAN CITY	LOGAN	1 400	6 600	98
P	SWAN CREEK ELECTRIC CO	SWAN CREEK	SWAN CR	276	1 600	-
M	BRIGHAM CITY CORPORATION	BRIGHAM CITY	BOX ELDER CR	1 200	5 800	575
P	UTAH POWER AND LIGHT CO	PIONEER	OGDEN	5 000	23 000	423
P	UTAH POWER AND LIGHT CO	RIVERDALE	WEBER	3 750	13 000	201
P	UTAH POWER AND LIGHT CO	†WEBER	WEBER	2 500	24 000	184
F	BUREAU OF RECLAMATION	GATEWAY	WEBER	4 275	28 600	150
F	BUREAU OF RECLAMATION	WANSHIP	WEBER	1 425	5 700	116
P	UTAH POWER AND LIGHT CO	†UPPER MILL CREEK	MILL CR	300	1 400	599
P	UTAH POWER AND LIGHT CO	GRANITE	BIG COTTONWOOD CR	1 500	6 000	470
P	UTAH POWER AND LIGHT CO	†STAIRS	BIG COTTONWOOD CR	1 000	5 000	370
M	MURRAY CITY OF	GRANITE	LIT COTTONWOOD CR	1 500	4 800	565
P	UTAH POWER AND LIGHT CO	†UPPER AMERICAN FK	AMERICAN FORK	950	5 000	574
P	UTAH POWER AND LIGHT CO	†ALPINE	DRY CR	1 750	4 000	1 924
P	UTAH POWER AND LIGHT CO	OLMSTEAD	PROVO	12 700	58 000	340
F	BUREAU OF RECLAMATION	DEER CREEK	PROVO	4 950	27 000	142
P	UTAH POWER AND LIGHT CO	SNAKE CREEK	SNAKE CR	1 180	3 700	752
M	HEBER LIGHT AND PWR PLANT	†SNAKE CREEK	SNAKE CR	800	4 500	1 895
M	HEBER LIGHT AND PWR PLANT	HEBER	PROVO	600	4 400	-
M	SPRINGVILLE MUN CORP	SPRING CREEK	SPRING CR	120	800	-
M	SPRINGVILLE MUN CORP	HOBBLE CREEK	HOBBLE CR	300	1 400	-
M	SPRINGVILLE MUN CORP	BARTHOLOMEW	BARTHOLOMEW CR	500	2 400	-
M	STRAWBERRY WTR USERS ASSN	LOWER	SPANISH FORK	250	1 500	-
M	STRAWBERRY WTR USERS ASSN	UPPER	SPANISH FORK	900	6 400	-
M	STRAWBERRY WTR USERS ASSN	PAYSON	PETEETNEET CR	400	2 300	-
P	UTAH POWER AND LIGHT CO	†SANTAQUIN	SUMMIT CR	880	2 800	656
M	PAROWAN CITY CORPORATION	†PAROWAN	CENTER CR	1 050	2 200	-
M	BEAVER CITY CORPORATION	†BEAVER	BEAVER	720	4 500	-
P	TELLURIDE POWER CO	†LOWER BEAVER	BEAVER	600	4 800	485
P	TELLURIDE POWER CO	†UPPER BEAVER	BEAVER	2 400	11 000	1 100
M	MANTI CITY LIGHT AND PWR	†MANTI	MANTI CR	520	2 900	-
M	EPHRAIM CITY OF	†NO 1	CITY CR	150	800	1 370
M	EPHRAIM CITY OF	NO 2	CITY CR	210	1 000	-
M	MT PLEASANT CITY CORP	LOWER	PLEASANT CR	150	900	-
M	MT PLEASANT CITY CORP	UPPER	PLEASANT CR	175	1 000	-

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	UTAH CONTD					
M	FAIRVIEW CITY CORP	UPPER AND LOWER	COTTONWOOD CR	160	800	-
P	TELLURIDE POWER CO	FOUNTAIN GREEN	BIG SPRINGS	320	1 500	200
M	MONROE CITY CORP	†LOWER MONROE	MONROE CR	100	400	-
M	MONROE CITY CORP	†UPPER MONROE	MONROE CR	125	500	-
P	TELLURIDE POWER CO	PANGUITCH	PANGUITCH CR	100	180	230
P	CALIF PACIFIC UTIL CO	GUNLOCK NO 1	SANTA CLARA	750	2 400	470
P	CALIF PACIFIC UTIL CO	VEYO NO 3	SANTA CLARA	640	2 600	370
P	CALIF PACIFIC UTIL CO	VEYO NO 2	SANTA CLARA	500	2 000	330
M	ST GEORGE CITY CORP	ST GEORGE	COTTONWOOD CR	500	1 200	-
P	CALIF PACIFIC UTIL CO	LA VERKIN NO 4	VIRGIN	1 000	5 000	236
M	GARKANE POWER ASSN INC	†BOULDER CREEK	BOULDER CR	2 750	23 000	1 527
M	GARKANE POWER ASSN INC	TORREY	FREMONT	300	1 500	-
P	UINTAH POWER AND LIGHT CO	†UINTAH	UINTAH	1 200	7 500	450
M	MOON LAKE ELEC ASSN INC	†YELLOWSTONE	YELLOWSTONE CR	900	6 500	250
P	UTAH POWER AND LIGHT CO	VERNAL	ASHLEY CR	250	1 400	84
				100 826	447 280	
	NEVADA					
P	SIERRA PACIFIC POWER CO	RENO	TRUCKEE	700	4 800	41
P	SIERRA PACIFIC POWER CO	WASHOE	TRUCKEE	1 500	14 000	88
P	SIERRA PACIFIC POWER CO	VERDI	TRUCKEE	2 400	18 500	96
P	SIERRA PACIFIC POWER CO	FLEISH	TRUCKEE	2 000	18 000	125
M	TRUCKEE CARSON IRR DIST	NEW	CARSON	800	8 000	26
M	TRUCKEE CARSON IRR DIST	LAHONTAN	CARSON	1 640	16 000	120
P	ELKO LAMOILLE POWER CO	LAMOILLE	LAMOILLE CR	200	1 500	-
P	WELLS POWER CO	WELLS NO 1	SALMON FALLS	120	2 000	-
I	KENNECOTT COPPER CORP	BIRD CREEK	DUCK VALLEY CR	840	1 900	-
F	BUREAU OF RECLAMATION	HOOVER †	COLORADO	579 900*	2 510 000	530
				590 100	2 594 700	
	<u>MOUNTAIN TOTAL</u>			<u>4 520 988</u>	<u>23 381 060</u>	
	PACIFIC					
	WASHINGTON					
P	PUGET SOUND PWR AND LT CO	NOOKSACK	NOOKSACK	1 500	7 700	228
P	PUGET SOUND PWR AND LT CO	†BAKER RIVER	BAKER	39 950*	310 000	254
I	SUPERIOR PORTLAND CEM CO	SUPERIOR	BEAR CR	2 125	14 000	420
P	PUGET SOUND PWR AND LT CO	†UPPER BAKER	BAKER	94 400	325 000	287
M	SEATTLE DEPT OF LIGHTING	NEWHALEM	NEWHALEM CR	2 000	12 000	500
M	SEATTLE DEPT OF LIGHTING	†GORGE	SKAGIT	134 400	680 000	292
M	SEATTLE DEPT OF LIGHTING	†DIABLO	SKAGIT	122 400*	812 000	330
M	SEATTLE DEPT OF LIGHTING	†ROSS	SKAGIT	360 000	700 000	395
P	PUGET SOUND PWR AND LT CO	SNOQUALMIE NO 2	SNOQUALMIE	29 250	200 000	287
P	PUGET SOUND PWR AND LT CO	SNOQUALMIE NO 1	SNOQUALMIE	12 440	67 500	257
M	SEATTLE DEPT OF LIGHTING	CEDAR FALLS	CEDAR	22 856	110 000	630
P	PUGET SOUND PWR AND LT CO	WHITE RIVER	WHITE	70 000	314 000	489
P	PUGET SOUND PWR AND LT CO	ELECTRON	PUYALLUP	25 500	170 000	874
M	CENTRALIA C9TY OF	CENTRALIA	NISQUALLY	9 000	78 000	208
M	TACOMA DEPT OF PUB UTILS	†LA GRANDE	NISQUALLY	64 400*	360 000	419
M	TACOMA DEPT OF PUB UTILS	†ALDER	NISQUALLY	50 000	200 000	265
F	MT RAINIER NATIONAL PARK	LONGMIRE	PARADISE	800	1 300	486
M	TACOMA DEPT OF PUB UTILS	CUSHMAN NO 2	N FK SKOKOMISH	81 000	200 000	480
M	TACOMA DEPT OF PUB UTILS	CUSHMAN NO 1	N FK SKOKOMISH	43 000	100 000	255
I	CROWN ZELLERBACH CORP	ELWHA	ELWHA	12 000	60 000	104
I	CROWN ZELLERBACH CORP	†GLINES CANYON	ELWHA	12 000	80 000	192
M	QUINAULT LIGHT COMPANY	†QUINAULT	ZEIGLER CR	250	600	876
P	PACIFIC PWR AND LT CO	†MERWIN	LEWIS	136 000*	540 000	185
P	PACIFIC PWR AND LT CO	†YALE	LEWIS	108 000	530 000	250
M	COWLITZ COUNTY PUD NO 1	†SWIFT NO 2	LEWIS	70 000	262 300	153

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WASHINGTON CONTD						
P	PACIFIC PWR AND LT CO	†SWIFT NO 1	LEWIS	204 000	709 000	396
P	WESTERN LT AND PWR CO	WASHOUGAL	WASHOUGAL	750	4 500	-
P	PACIFIC PWR LT CO	CONDIT	WHITE SALMON	9 600	95 000	178
F	CORPS OF ENGINEERS	THE DALLIES	COLUMBIA	813 000*	6 760 000	88
F	BUREAU OF RECLAMATION	CHANDLER	YAKIMA	12 000	74 000	121
F	WAPATO IRRIGATION DIST	DROP NO 2	YAKIMA	2 500	6 000	-
F	WAPATO IRRIGATION DIST	DROP NO 3	YAKIMA	1 700	5 000	-
P	PACIFIC PWR AND LT CO	NACHES HYDRO	NACHES	6 370	35 000	149
P	PACIFIC PWR AND LT CO	NACHES DROP	NACHES	1 400	9 600	54
F	BUREAU OF RECLAMATION	ROZA	YAKIMA	11 250	80 000	160
M	GRANT COUNTY PUD NO 2	†PRIEST RAPIDS	COLUMBIA	236 550	1 350 000	82
M	CHELAN COUNTY PUD NO 1	†ROCK ISLAND	COLUMBIA	213 325*	1 965 000	49
M	CHELAN COUNTY PUD NO 1	DRYDEN	WENATCHIE	2 450	14 000	55
M	CHELAN COUNTY PUD NO 1	†CHELAN	CHELAN	48 000	400 000	409
M	OKANOGAN COUNTY PUD NO 1	OROVILLE	SIMILKAMEEN	3 200	19 000	78
F	CORPS OF ENGINEERS	CHIEF JOSEPH	COLUMBIA	1 028 800*	8 320 000	173
F	BUREAU OF RECLAMATION	GRAND COULEE	COLUMBIA	1 974 000*	14 900 000	341
P	THE WASHINGTON WTR PWR CO	LITTLE FALLS	SPOKANE	32 000	210 000	71
P	THE WASHINGTON WTR PWR CO	LONG LAKE	SPOKANE	70 000	464 000	173
P	THE WASHINGTON WTR PWR CO	NINE MILE	SPOKANE	12 000	116 000	64
P	THE WASHINGTON WTR PWR CO	MONROE STREET	SPOKANE	7 200	60 000	70
P	THE WASHINGTON WTR PWR CO	UPPER FALLS	SPOKANE	10 000	80 000	62
M	SPOKANE CITY OF WATER DIV	SPOKANE	SPOKANE	3 900	31 000	35
P	THE WASHINGTON WTR PWR CO	MEYERS FALLS	COLVILLE	1 200	9 000	125
M	PEND OREILLE PUD NO 1	†BOX CANYON	PEND OREILLE	60 000	464 000	41
I	PEND OREILLE MINES MTL CO	†METALINE FALLS	PEND OREILLE	3 600	6 800	30
M	PEND OREILLE PUD NO 1	DALKENA	CALISPELL CR	560	2 300	309
				6 272 626	42 319 600	
OREGON						
P	PORTLAND GENERAL ELEC CO	STATION M	CLACKAMUS	19 135*	95 000	82
P	PORTLAND GENERAL ELEC CO	STATION G	CLACKAMUS	34 450	166 000	133
P	PORTLAND GENERAL ELEC CO	†NORTH FORK	CLACKAMUS	38 400	186 000	132
P	PORTLAND GENERAL ELEC CO	†STATION P	CLACKAMUS	51 000	220 000	925
I	PUBLISHERS PAPER CO	OREGON CITY	WILLAMETTE	1 800	14 000	40
I	PUBLISHERS PAPER CO	OREGON CITY	WILLAMETTE	750	400	-
M	MCMINNVILLE CITY OF	MCMINNVILLE	BAKER CR	200	400	230
P	CROWN ZELLERBACH CORP	WEST LINN	WILLAMETTE	13 900	30 000	44
I	PORTLAND GENERAL ELEC CO	T W SULLIVAN	WILLAMETTE	15 400	90 000	40
P	PACIFIC PWR AND LT CO	STAYTON	N SANTIAM	600	4 000	15
F	CORPS OF ENGINEERS	BIG CLIFF	N SANTIAM	18 000	100 000	97
F	CORPS OF ENGINEERS	DETROIT	N SANTIAM	100 000	380 000	367
P	PACIFIC PWR AND LT CO	ALBANY	S SANTIAM	800	3 700	36
P	PACIFIC PWR AND LT CO	LEBANON	S SANTIAM	144	500	10
M	EUGENE CITY OF	WALTERVILLE	MCKENZIE	8 000	79 000	56
M	EUGENE CITY OF	LEABURG	MCKENZIE	13 500	100 000	90
F	CORPS OF ENGINEERS	DEXTER	M FK WILLAMETTE	15 000	90 000	55
F	CORPS OF ENGINEERS	LOOKOUT POINT	M FK WILLAMETTE	120 000	310 000	233
P	PORTLAND GENERAL ELEC CO	STATION O	BULL RUN	21 000	93 000	328
F	CORPS OF ENGINEERS	BONNEVILLE	COLUMBIA	522 400*	4 400 000	66
P	PACIFIC PWR AND LT CO	POWERDALE	HOOD	6 000	48 000	209
I	OREGON LUMBER COMPANY	DEE PLANT	HOOD	150	300	-
P	PACIFIC PWR AND LT CO	TYGH VALLEY	WHITE	2 250	13 000	150
P	PORTLAND GENERAL ELEC CO	†PELTON	DESCHUTES	108 000	394 000	151
F	BUREAU OF RECLAMATION	COVE NO 3	CROOKED	1 500	13 500	31
P	PACIFIC PWR AND LT CO	†COVE NO 1 AND 2	CROOKED	1 250	11 000	31
P	PACIFIC PWR AND LT CO	CLINE FALLS	DESCHUTES	1 000	5 300	43
P	PACIFIC PWR AND LT CO	BEND	DESCHUTES	1 110	7 500	17
P	CALIF PACIFIC UTIL CO	†FREMONT	LOST CR	1 100	4 100	1 067
F	CORPS OF ENGINEERS	MENARY	COLUMBIA	986 000*	7 000 000	81

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
OREGON CONTD						
M	MILTON FREEWATER EL UTIL	MILTON UPPER	WALLA WALLA	1 000	9 000	205
P	PACIFIC PWR AND LT CO	†WALLOWA FALLS	E FK WALLOWA	800	8 000	1 187
P	CALIF PACIFIC UTIL CO	†COVE	MILL CR	300	1 200	875
P	CALIF PACIFIC UTIL CO	MORGAN LAKE	SHEEP CR	380	500	1 146
P	CALIF PACIFIC UTIL CO	†ROCK CREEK	ROCK CR	800	4 900	936
M	BAKER CITY OF	BAKER	GOODRICH LAKE	120	1 500	744
P	CALIF PACIFIC UTIL CO	SUMPTER	POWDER	120	-	246
P	THE CALIF OREGON PWR CO	WINCHESTER	N UMPQUA	500	3 900	14
P	THE CALIF OREGON PWR CO	†SODA SPRINGS	N UMPQUA	11 000	75 000	114
P	THE CALIF OREGON PWR CO	†SLIDE CREEK	N UMPQUA	18 000	110 000	179
P	THE CALIF OREGON PWR CO	†TOKETEE FALLS	N UMPQUA	42 500	267 000	448
P	THE CALIF OREGON PWR CO	†FISH CREEK	N UMPQUA	11 000	68 000	1 032
P	THE CALIF OREGON PWR CO	†CLEARWATER NO 2	CLEARWATER	26 000	88 000	760
P	THE CALIF OREGON PWR CO	†CLEARWATER NO 1	CLEARWATER	15 000	75 000	651
P	THE CALIF OREGON PWR CO	†LEMOLO NO 2	N UMPQUA	33 000	210 000	728
P	THE CALIF OREGON PWR CO	†LEMOLO NO 1	N UMPQUA	29 000	210 000	756
I	IDEAL CEMENT CO	GOLD HILL	ROGUE	2 500	11 000	-
P	THE CALIF OREGON PWR CO	GOLD RAY	ROGUE	1 500	10 500	16
M	ASHLAND CITY OF	ASHLAND	ASHLAND CR	300	2 500	425
P	THE CALIF OREGON PWR CO	EAGLE POINT	LITTLE BUTTE CR	2 813	20 000	-
P	THE CALIF OREGON PWR CO	PROSPECT NO 3	S FK ROGUE	7 200	50 000	720
P	THE CALIF OREGON PWR CO	PROSPECT NO 1	N FK ROGUE	3 760	25 000	495
P	THE CALIF OREGON PWR CO	PROSPECT NO 2	N FK ROGUE	32 000	276 000	606
P	THE CALIF OREGON PWR CO	PROSPECT NO 4	N FK ROGUE	1 000	8 200	112
P	THE CALIF OREGON PWR CO	†BIG BEND	KLAMATH	79 900	368 000	463
P	THE CALIF OREGON PWR CO	WEST SIDE	KLAMATH	600	6 000	48
P	THE CALIF OREGON PWR CO	EAST SIDE	KLAMATH	3 200	20 000	49
				2 427 132	15 787 900	
CALIFORNIA						
P	SIERRA PACIFIC POWER CO	FARAD	TRUCKEE	2 800	19 000	83
P	CALIFORNIA ELEC PWR CO	†RUSH CREEK	RUSH CR	8 400	43 000	1 807
P	CALIFORNIA ELEC PWR CO	†POOLE	LEE VINING CR	10 000	26 000	1 675
P	CALIFORNIA ELEC PWR CO	†MILL CREEK	MILL CR	2 400	8 600	785
M	LOS ANGELES DEPT W AND P	FRANKLIN CANYON	LOS ANGELES AQDUC	2 000	8 800	285
M	LOS ANGELES DEPT W AND P	SAN FERNANDO	LOS ANGELES AQDUC	5 660*	50 000	250
M	LOS ANGELES DEPT W AND P	S FRANCISQUITO 2	LOS ANGELES AQDUC	42 000	115 000	540
M	LOS ANGELES DEPT W AND P	S FRANCISQUITO 1	LOS ANGELES AQDUC	58 875*	210 000	935
M	LOS ANGELES DEPT W AND P	HAIWEE	LOS ANGELES AQDUC	5 600	34 000	193
M	LOS ANGELES DEPT W AND P	COTTONWOOD	COTTONWOOD CR	1 500	6 000	1 267
M	LOS ANGELES DEPT W AND P	DIVISION CR NO 2	DIVISION CR	600	4 000	1 250
M	LOS ANGELES DEPT W AND P	BIG PINE NO 3	BIG PINE CR	3 200	15 000	1 245
P	CALIFORNIA ELEC PWR CO	BISHOP CR NO 6	BISHOP CR	1 800	11 000	260
P	CALIFORNIA ELEC PWR CO	†BISHOP CR NO 5	BISHOP CR	3 500	18 000	420
P	CALIFORNIA ELEC PWR CO	†BISHOP CR NO 4	BISHOP CR	6 300	42 000	1 112
P	CALIFORNIA ELEC PWR CO	†BISHOP CR NO 3	BISHOP CR	6 600	34 000	809
P	CALIFORNIA ELEC PWR CO	†BISHOP CR NO 2	BISHOP CR	6 320	39 000	953
M	LOS ANGELES DEPT W AND P	PLEASANT VALLEY	OWENS	3 200	15 000	-
M	LOS ANGELES DEPT W AND P	CONTROL GORGE	OWENS	37 500	133 000	781
M	LOS ANGELES DEPT W AND P	MIDDLE GORGE	OWENS	37 500	133 000	767
M	LOS ANGELES DEPT W AND P	ADAMS MAIN	OWENS	5 000	26 000	245
M	LOS ANGELES DEPT W AND P	ADAMS AUXILIARY	OWENS	2 400	13 500	151
M	LOS ANGELES DEPT W AND P	UPPER GORGE	OWENS	37 500	130 000	802
I	SWANSON MINING CORP	†SALYER	TRINITY	1 600	170	-
P	PACIFIC GAS AND ELEC CO	†JUNCTION CITY	TRINITY	2 720	10 000	602
P	THE CALIF OREGON PWR CO	FALL CREEK	FALL CR	2 200	12 800	730
P	THE CALIF OREGON PWR CO	COPCO NO 2	KLAMATH	27 000	130 000	151
P	THE CALIF OREGON PWR CO	COPCO NO 1	KLAMATH	20 000	126 000	122
P	PACIFIC GAS AND ELEC CO	†POTTER VALLEY	RUSSIAN	9 040	63 500	476
F	BUREAU OF RECLAMATION	NIMBUS	AMERICAN	13 500	70 800	41

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CALIFORNIA CONTD						
F	BUREAU OF RECLAMATION	FOLSOM	AMERICAN	162 000	658 000	340
P	PACIFIC GAS AND ELEC CO	†AMERICAN RIVER	S FK AMERICAN	5 477	30 000	573
P	PACIFIC GAS AND ELEC CO	†EL DORADO	S FK AMERICAN	20 000	106 000	1 910
P	PACIFIC GAS AND ELEC CO	WISE	AUBURN RAVINE	12 000	91 000	519
P	PACIFIC GAS AND ELEC CO	HALSEY	DRY CR	12 000	67 000	331
P	PACIFIC GAS AND ELEC CO	DUTCH FLAT	BEAR	22 000	155 000	643
P	PACIFIC GAS AND ELEC CO	ALTA	BEAR	2 000	6 400	660
P	PACIFIC GAS AND ELEC CO	DRUM	BEAR	48 000	293 000	1 375
P	PACIFIC GAS AND ELEC CO	DEER CREEK	DEER CR	5 500	31 000	837
P	PACIFIC GAS AND ELEC CO	†NARROWS	YUBA	9 350	89 000	240
P	PACIFIC GAS AND ELEC CO	SPAULDING NO 2	S FK YUBA	3 370	20 000	344
P	PACIFIC GAS AND ELEC CO	SPAULDING NO 1	S FK YUBA	6 400	42 000	197
P	PACIFIC GAS AND ELEC CO	SPAULDING NO 3	S FK YUBA	6 300	29 000	318
P	PACIFIC GAS AND ELEC CO	COLGATE	N FK YUBA	24 000	154 000	820
P	PACIFIC GAS AND ELEC CO	†BULLARDS BAR	N FK YUBA	6 500	39 000	166
P	PACIFIC GAS AND ELEC CO	COAL CANYON	DRY CR	800	7 500	350
P	PACIFIC GAS AND ELEC CO	LIME SADDLE	W BR N FK FEATHER	1 600	11 000	462
P	PACIFIC GAS AND ELEC CO	BIG BEND NO 1	N FK FEATHER	52 800	454 000	465
P	PACIFIC GAS AND ELEC CO	†POE	N FK FEATHER	124 200	484 000	477
P	PACIFIC GAS AND ELEC CO	†CRESTA	N FK FEATHER	67 500	300 000	290
P	PACIFIC GAS AND ELEC CO	†ROCK CREEK	N FK FEATHER	113 400	454 000	535
P	PACIFIC GAS AND ELEC CO	†BUCKS CREEK	N FK FEATHER	66 000	200 000	2 558
P	PACIFIC GAS AND ELEC CO	†CARIBOU NO 1	N FK FEATHER	75 000	600 000	1 150
P	PACIFIC GAS AND ELEC CO	†CARIBOU NO 2	N FK FEATHER	109 800	386 000	1 150
P	PACIFIC GAS AND ELEC CO	†BUTT VALLEY	BUTT CREEK	36 000	108 000	342
P	PACIFIC GAS AND ELEC CO	HAMILTON BRANCH	HAMILTON BRANCH	5 150	16 000	409
P	PACIFIC GAS AND ELEC CO	CENTERVILLE	BIG BUTTE CR	6 400	36 000	577
P	PACIFIC GAS AND ELEC CO	DE SABLA	BIG BUTTE CR	13 000	83 000	1 531
P	PACIFIC GAS AND ELEC CO	COLEMAN	BATTLE CR	13 800	58 000	482
P	PACIFIC GAS AND ELEC CO	INSKIP	S FK BATTLE CR	6 000	40 000	378
P	PACIFIC GAS AND ELEC CO	SOUTH	S FK BATTLE CR	4 000	36 000	516
P	PACIFIC GAS AND ELEC CO	VOLTA	MILLSEAT CR	6 400	46 000	1 254
P	PACIFIC GAS AND ELEC CO	COW CREEK	COW CR	1 200	12 000	715
P	PACIFIC GAS AND ELEC CO	KILARC	N FK COW CR	3 000	22 000	1 150
F	BUREAU OF RECLAMATION	KESWICK	SACRAMENTO	75 000	350 000	101
F	BUREAU OF RECLAMATION	SHASTA	SACRAMENTO	379 000*	1 720 000	480
P	PACIFIC GAS AND ELEC CO	†PIT NO 5	PIT	128 000	830 000	615
P	PACIFIC GAS AND ELEC CO	†PIT NO 4	PIT	90 000	540 000	382
P	PACIFIC GAS AND ELEC CO	†PIT NO 3	PIT	72 360	382 000	315
P	PACIFIC GAS AND ELEC CO	HAT CREEK NO 2	HAT CR	10 000	51 000	198
P	PACIFIC GAS AND ELEC CO	HAT CREEK NO 1	HAT CR	10 000	45 000	217
P	PACIFIC GAS AND ELEC CO	PIT NO 1	PIT	56 000	290 000	454
M	EAST BAY MUN UTILITY DIST	PARDEE	MOKELUMNE	15 000	81 000	310
P	PACIFIC GAS AND ELEC CO	†NEW ELECTRA	MOKELUMNE	89 100	447 000	1 268
P	PACIFIC GAS AND ELEC CO	†WEST POINT	N FK MOKELUMNE	13 600	91 000	312
P	PACIFIC GAS AND ELEC CO	†TIGER CREEK	N FK MOKELUMNE	51 000	360 000	1 219
P	PACIFIC GAS AND ELEC CO	†SALT SPRINGS	N FK MOKELUMNE	9 350	50 000	255
P	PACIFIC GAS AND ELEC CO	†BEAR RIVER	N FK MOKELUMNE	29 700	160 000	2 109
M	OAKDALE S S JOAQUIN I D	†TULLOCH	STANISLAUS	17 100	100 000	145
P	PACIFIC GAS AND ELEC CO	†MELONES	STANISLAUS	24 300	132 000	230
P	PACIFIC GAS AND ELEC CO	ANGELS	ANGELS CR	1 400	6 200	448
P	PACIFIC GAS AND ELEC CO	†MURPHYS	ANGELS CR	3 600	16 000	685
P	PACIFIC GAS AND ELEC CO	PHOENIX	SULLIVAN CR	1 600	10 000	1 087
P	PACIFIC GAS AND ELEC CO	†STANISLAUS	STANISLAUS	28 900	312 000	1 499
P	PACIFIC GAS AND ELEC CO	†SPRING GAP	M FK STANISLAUS	6 000	48 000	1 865
M	OAKDALE S S JOAQUIN I D	†BEARDSLEY	M FK STANISLAUS	9 990	51 500	264
M	OAKDALE S S JOAQUIN I D	†DONNELLS	M FK STANISLAUS	54 000	279 000	1 484
M	TURLOCK MODESTO IRR DIST	LA GRANGE	TUOLUMNE	3 900	18 000	117
M	TURLOCK MODESTO IRR DIST	DON PEDRO	TUOLUMNE	26 990	200 000	261
M	SAN FRANCISCO UTILS COMM	MOCCASIN CREEK	MOCCASIN CR	70 000	520 000	1 316

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS/	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	CALIFORNIA CONTD					
M	SAN FRANCISCO UTILS COMM	EARLY INTAKE	CHERRY CR	3 600	28 000	343
P	PACIFIC GAS AND ELEC CO	MERCED FALLS	MERCED	3 440	14 000	27
M	MERCED IRRIGATION DIST	†EXCHEQUER	MERCED	31 250	130 000	300
F	NATIONAL PARK SERVICE	YOSEMITE	MERCED	2 000	11 000	336
P	PACIFIC GAS AND ELEC CO	†KERCKHOFF	SAN JOAQUIN	34 080	280 000	350
P	PACIFIC GAS AND ELEC CO	†A G WISHON	N FK WILLOW CR	12 800	86 000	1 412
P	PACIFIC GAS AND ELEC CO	†SAN JOAQUIN NO 1A	N FK WILLOW CR	340	1 700	43
P	PACIFIC GAS AND ELEC CO	†SAN JOAQUIN NO 2	N FK WILLOW CR	2 400	14 000	307
P	PACIFIC GAS AND ELEC CO	†SAN JOAQUIN NO 3	N FK WILLOW CR	4 000	17 500	405
P	PACIFIC GAS AND ELEC CO	†CRANE VALLEY	N FK WILLOW CR	800	3 200	90
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 4	SAN JOAQUIN	84 650*	390 000	416
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 3	SAN JOAQUIN	107 100*	744 000	827
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 8	SAN JOAQUIN	58 850*	310 000	713
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 2A	BIG CR	80 000	395 000	2 418
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 2	BIG CR	57 750	507 000	1 858
P	SOUTHERN CALIF EDISON CO	†BIG CREEK NO 1	BIG CR	67 000	584 000	2 131
P	SOUTHERN CALIF EDISON CO	†PORTAL	BIG CR	10 000	56 000	230
P	PACIFIC GAS AND ELEC CO	†BALCH	N FK KINGS	128 200	539 000	2 389
P	PACIFIC GAS AND ELEC CO	†HAAS	N FK KINGS	135 000	486 000	2 444
P	SOUTHERN CALIF EDISON CO	KAWEAH NO 2	KAWEAH	1 800	13 000	367
P	SOUTHERN CALIF EDISON CO	KAWEAH NO 1	KAWEAH	2 250	16 000	1 326
P	SOUTHERN CALIF EDISON CO	KAWEAH NO 3	KAWEAH	2 800	25 000	775
P	SOUTHERN CALIF EDISON CO	†LOWER TULE	TULE	2 000	19 000	1 140
P	PACIFIC GAS AND ELEC CO	†TULE RIVER	M FK TULE	4 800	26 500	1 532
P	PACIFIC GAS AND ELEC CO	†KERN CANYON	KERN	8 480	60 000	262
P	SOUTHERN CALIF EDISON CO	†KERN RIVER NO 1	KERN	16 000	170 000	877
P	SOUTHERN CALIF EDISON CO	†BOREL	KERN	9 200	64 000	270
P	SOUTHERN CALIF EDISON CO	KERN RIVER NO 3	KERN	32 000	200 000	821
M	PASADENA CITY OF	†AZUSA	SAN GABRIEL	3 000	10 000	401
P	SOUTHERN CALIF EDISON CO	ONTARIO NO 3	SAN ANTONIO CR	320	1 100	276
P	SOUTHERN CALIF EDISON CO	ONTARIO NO 1	SAN ANTONIO CR	600	4 800	700
P	SOUTHERN CALIF EDISON CO	SIERRA	SAN ANTONIO CR	480	4 000	628
P	SOUTHERN CALIF EDISON CO	FONTANA	LYTLE CR	1 920	8 800	658
P	SOUTHERN CALIF EDISON CO	†LYTLE CREEK	LYTLE CR	400	4 000	472
P	SOUTHERN CALIF EDISON CO	MILL CREEK NO 1	MILL CR	800	4 700	510
P	SOUTHERN CALIF EDISON CO	†MILL CREEK NO 2	MILL CR	200	1 500	620
P	SOUTHERN CALIF EDISON CO	†MILL CREEK NO 3	MILL CR	1 800	14 000	1 911
P	SOUTHERN CALIF EDISON CO	†SANTA ANA NO 3	SANTA ANA	1 200	7 000	354
P	SOUTHERN CALIF EDISON CO	†SANTA ANA NO 2	SANTA ANA	800	8 000	310
P	SOUTHERN CALIF EDISON CO	†SANTA ANA NO 1	SANTA ANA	2 400	18 000	726
M	ESCONDIDO MUTUAL WATER CO	†RINCON POWER	SAN LUIS REY	240	300	824
M	ESCONDIDO MUTUAL WATER CO	†BEAR VALLEY	ESCONDIDO CR	520	4 800	400
P	CALIFORNIA ELEC PWR CO	†SAN GORGONIO NO 2	SAN GORGONIO CR	750	1 500	898
P	CALIFORNIA ELEC PWR CO	†SAN GORGONIO NO 1	SAN GORGONIO CR	1 500	3 000	1 773
F	BUREAU OF RECLAMATION	SIPHON DROP	YUMA CANAL	1 600	15 000	15
M	IMPERIAL IRRIGATION DIST	DROP NO 4	ALL AMERICAN CAN	19 600	100 000	51
M	IMPERIAL IRRIGATION DIST	DROP NO 3	ALL AMERICAN CAN	4 800	35 000	25
M	IMPERIAL IRRIGATION DIST	DROP NO 2	ALL AMERICAN CAN	10 000	55 000	26
M	IMPERIAL IRRIGATION DIST	PILOT KNOB	ALL AMERICAN CAN	33 000	50 000	55
F	BUREAU OF RECLAMATION	PARKER	COLORADO	120 000	790 000	78
				3 802 072	20 131 170	
	PACIFIC TOTAL			12 501 830	78 238 670	
	UNITED STATES TOTAL (EXCLUDING ALASKA AND HAWAII)			31 912 843	166 362 500	

SEE FOOTNOTES AT END OF TABLE

TABLE 4 (Contd) - EXISTING By Geographic Divisions and States

CLASS 1/	DIVISION AND STATE NAME OF OWNER	NAME OF PLANT	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
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1/ CLASS OF OWNERSHIP

F - FEDERALLY OWNED PLANT I - INDUSTRIAL PLANT
P - PRIVATELY OWNED PLANT M - NON-FEDERAL PUBLICALLY OWNED PLANT (MUNICIPAL,
UTILITY DISTRICT, OR STATE, INCLUDING COOPERATIVE)

2/ THE FOLLOWING PLANTS HAVE PUMPED-STORAGE UNITS IN ADDITION TO CONVENTIONAL UNITS:

PLANT	PUMPED-STORAGE CAPACITY (KW)	TOTAL CAPACITY (KW)
ROCKY RIVER, CONN.	7,000	31,000
BUCHANAN DAM, TEXAS	12,500	33,750
FLAT IRON 1, 2, & 3, COLORADO	8,500	71,500
HIWASSEE, NORTH CAROLINA	59,500	117,100

* INSTALLATION SHOWN INCLUDES BOTH MAIN AND AUXILIARY GENERATION CAPACITY. SEE TABLE 6 FOR CAPACITY BREAKDOWN.

† OPERATING UNDER FPC LICENSE. FOR SEPARATE LISTING OF LICENSED PLANTS SHOWING PROJECT NUMBERS SEE TABLE 7.

* INSTALLED CAPACITY LOCATED IN TWO STATES AS FOLLOWS:

VERNON	-	NEW HAMPSHIRE	16,000 KW	VERMONT	8,400 KW
WILDER	-	NEW HAMPSHIRE	16,200 KW	VERMONT	16,200 KW
HOOVER	-	ARIZONA	669,900 KW	NEVADA	579,900 KW

- DATA NOT AVAILABLE

TABLE 5. - INSTALLED CAPACITY AND AVERAGE ANNUAL GENERATION
OF EXISTING UTILITY AND INDUSTRIAL HYDROELECTRIC PLANTS
JANUARY 1, 1960

By Geographic Divisions and States

Division and state	Installed capacity Kw		Avg. annual generation 1000 Kwh	
	Utilities	Industrials	Utilities	Industrials
United States (Excluding Alaska and Hawaii)	31,183,431	729,412	162,950,780	3,411,720
New England	1,259,533	263,164	4,674,300	1,201,630
Middle Atlantic	2,394,779	83,310	13,766,300	393,980
East North Central	840,971	95,769	3,678,000	470,000
West North Central	1,404,124	44,143	6,475,200	216,850
South Atlantic	3,617,301	182,803	13,344,900	883,410
East South Central	3,747,508	8,000	17,499,800	25,000
West South Central	948,420	200	3,110,400	400
Mountain	4,519,390	1,598	23,377,280	3,780
Pacific	12,451,405	50,425	78,622,000	216,670
New England				
Maine	355,122	144,534	1,630,900	745,100
New Hampshire	396,144	48,252	1,123,600	236,600
Vermont	186,900	13,095	778,200	60,000
Massachusetts	185,432	43,701	754,300	126,230
Rhode Island	2,475	1,842	7,100	2,900
Connecticut	131,520	11,740	380,200	30,800
Middle Atlantic				
New York	1,955,654	77,578	11,917,100	365,880
New Jersey	6,080	2,598	38,000	10,500
Pennsylvania	433,045	3,134	1,813,200	17,200
East North Central				
Ohio	8,575	3,349	15,100	13,700
Indiana	32,264	0	108,900	0
Illinois	38,319	3,202	182,300	21,700
Michigan	384,918	39,821	1,687,300	167,600
Wisconsin	376,895	49,397	1,655,000	266,800
West North Central				
Minnesota	155,782	35,293	816,100	182,550
Iowa	139,378	300	819,100	900
Missouri	298,300	0	920,000	0
North Dakota	240,000	0	1,184,000	0
South Dakota	324,646	8,400	1,478,800	33,000
Nebraska	240,108	150	1,237,700	400
Kansas	5,910	0	19,500	0
South Atlantic				
Delaware	0	600	0	100
Maryland	273,565	600	1,328,700	3,600
District of Columbia	3,000	0	5,000	0
Virginia	400,130	20,400	1,065,300	75,200
West Virginia	100,880	106,680	428,300	608,000
North Carolina	1,209,200	14,462	4,486,200	45,510
South Carolina	941,555	26,894	2,649,400	87,200
Georgia	646,310	13,167	2,147,800	63,800
Florida	42,661	0	234,200	0
East South Central				
Kentucky	524,380	0	2,496,000	0
Tennessee	1,912,788	0	8,437,600	0
Alabama	1,292,340	8,000	6,566,200	25,000
Mississippi	0	0	0	0
West South Central				
Arkansas	390,740	0	1,203,100	0
Louisiana	0	0	0	0
Oklahoma	166,000	0	640,100	0
Texas	391,680	200	1,267,200	400
Mountain				
Montana	1,150,950	0	6,460,100	0
Idaho	1,250,465	250	7,380,100	700
Wyoming	165,837	0	697,100	0
Colorado	254,432	508	1,044,700	1,180
New Mexico	24,830	0	97,700	0
Arizona	982,790	0	4,657,500	0
Utah	100,826	0	447,280	0
Nevada	589,260	840	2,592,800	1,900
Pacific				
Washington	6,242,901	29,725	42,158,800	160,800
Oregon	2,408,032	19,100	15,732,200	55,700
California	3,800,472	1,600	20,131,000	170

TABLE 6. - EXISTING HYDROELECTRIC PLANTS HAVING BOTH
MAIN AND AUXILIARY GENERATING UNITS JANUARY 1, 1960 1/

By States

State	Name of owner	Name of plant	River	Installed capacity - Kw		
				Main generating units	Auxiliary units	Total
Ala.	Tennessee Valley Authority	Wilson	Tennessee	436,000	750	436,750
Ala.	Tennessee Valley Authority	Wheeler	Tennessee	259,200	160	259,360
Ala.	Tennessee Valley Authority	Guntersville	Tennessee	97,200	240	97,440
Ariz.	Salt R. Proj. Ag. Imp. P. Dist.	Roosevelt	Salt	19,290	400	19,690
Ariz.-Nev.	Bureau of Reclamation	Hoover	Colorado	1,245,000	4,800	1,249,800
Ark.	Corps of Engineers	Norfolk	North Fork	70,000	400	70,400
Ark.	Corps of Engineers	Bull Shoals	White	160,000	2,000	162,000
Calif.	Los Angeles Dept. W. and P.	San Fernando	Los Angeles Aqueduct	5,600	60	5,660
Calif.	Los Angeles Dept. W. and P.	S. Francisquito 1	Los Angeles Aqueduct	58,125	750	58,875
Calif.	Bureau of Reclamation	Shasta	Sacramento	375,000	4,000	379,000
Calif.	Southern Calif. Edison Co.	Big Creek No. 4	San Joaquin	84,000	650	84,650
Calif.	Southern Calif. Edison Co.	Big Creek No. 3	San Joaquin	106,500	600	107,100
Calif.	Southern Calif. Edison Co.	Big Creek No. 8	San Joaquin	58,500	350	58,850
Colo.	Southern Colorado Power Co.	Skaguay	Beaver Cr.	1,500	60	1,560
Ga.	Corps of Engineers	Allatoona	Etowah	72,000	2,000	74,000
Iowa	Union Electric Co.	Keokuk	Mississippi	121,600	3,200	124,800
Ky.	Tennessee Valley Authority	Kentucky	Tennessee	160,000	320	160,320
Ky.	Corps of Engineers	Wolf Creek	Cumberland	270,000	1,200	271,200
Maine	Bangor Hydro Electric Co.	Ellsworth	Union	8,900	75	8,975
Maine	Bangor Hydro Electric Co.	Stillwater	Stillwater	1,950	25	1,975
Maine	Central Main Power Co.	Harris	Kennebec	75,000	1,400	76,400
Md.	Susquehanna Electric Co.	Conowingo	Susquehanna	252,000	2,240	254,240
Mass.	Holyoke Gas and Electric Dept.	Holyoke	Connecticut Canal	2,306	50	2,356
Mo.	Corps of Engineers	Table Rock	White	100,000	1,500	101,500
Mo.	Union Electric Co. of Mo.	Osage	Osage	172,000	4,200	176,200
N.Y.	Niagara Mohawk Power Corp.	Hannawa	Raquette	7,200	100	7,300
N.Y.	Niagara Mohawk Power Corp.	Effley Falls	Beaver	2,960	30	2,990
N.Y.	Niagara Mohawk Power Corp.	Trenton Falls	W. Canada Cr.	23,200	225	23,425
N.C.	Carolina Power and Light Co.	Tillery	Yadkin	62,000	450	62,450
N.C.	Duke Power Co.	Lookout Shoals	Catawba	18,720	650	19,370
N.C.	Tennessee Valley Authority	Fontana	Little Tennessee	202,500	100	202,600
N.C.	Carolina Power and Light Co.	Walters	Big Pigeon	108,000	600	108,600
Okla.	Grand River Dam Authority	Pensacola	Grand	86,400	500	86,900
Oreg.	Portland General Electric Co.	Station M	Clackamas	19,050	85	19,135
Oreg.	Corps of Engineers	Bonneville	Columbia	518,400	4,000	522,400
Oreg.	Corps of Engineers	McNary	Columbia	980,000	6,000	986,000
Pa.	Pennsylvania P. and Lt. Co.	Holtwood	Susquehanna	108,800	1,000	109,800
S.C.	Duke Power Co.	Rocky Creek	Catawba	24,000	400	24,400
S.C.	Duke Power Co.	Great Falls	Catawba	24,000	800	24,800
S.C.	Duke Power Co.	99 Islands	Broad	18,000	250	18,250
S.C.	Duke Power Co.	Gaston Shoals	Broad	9,140	125	9,265
S.C.	Duke Power Co.	Boyd's Mill	Reedy	960	35	995
S.C.	Duke Power Co.	Saluda	Saluda	2,600	70	2,670
S.C.	Corps of Engineers	Clark Hill	Savannah	280,000	2,000	282,000
S.C.	Duke Power Co.	Portman Shoals	Seneca	5,590	150	5,740
Tenn.	Tennessee Valley Authority	Pickwick Landing	Tennessee	216,000	320	216,320
Tenn.	Tennessee Valley Authority	Chickamauga	Tennessee	108,000	240	108,240
Tenn.	Tennessee Valley Authority	Ocoee No. 3	Ocoee	27,000	28	27,028
Tenn.	Tennessee Valley Authority	Watts Bar	Tennessee	150,000	240	150,240
Tenn.	Tennessee Valley Authority	Fort Loudon	Tennessee	128,000	240	128,240
Tenn.	Tennessee Valley Authority	Douglas	French Broad	112,000	160	112,160
Tenn.	Tennessee Valley Authority	Cherokee	Holston	120,000	160	120,160
Tenn.	Corps of Engineers	Center Hill	Caney Fork	135,000	800	135,800
Tenn.	Corps of Engineers	Dale Hollow	Obeys	54,000	600	54,600
Texas	Corps of Engineers	Denison	Red	70,000	1,200	71,200
Va.	Corps of Engineers	John Kerr	Roanoke	204,000	2,000	206,000
Va.	Corps of Engineers	Philpott	Smiths	13,400	600	14,000
Wash.	Puget Sound Pwr. and Lt. Co.	Baker River	Baker	39,500	450	39,950
Wash.	Seattle Dept. of Lighting	Diablo	Skagit	120,000	2,400	122,400
Wash.	Tacoma Dept. of Pub. Utils.	La Grande	Nisqually	64,000	400	64,400
Wash.	Pacific Pwr. and Lt. Co.	Merwin	Lewis	135,000	1,000	136,000
Wash.	Corps of Engineers	The Dalles	Columbia	807,000	6,000	813,000
Wash.	Chelan County, P.U.D. No. 1	Rock Island	Columbia	212,100	1,225	213,325
Wash.	Corps of Engineers	Chief Joseph	Columbia	1,024,000	4,800	1,028,800
Wash.	Bureau of Reclamation	Grand Coulee	Columbia	1,944,000	30,000	1,974,000
Wis.	Miss. Valley Pub. Service Co.	Hatfield	Black	4,800	200	5,000

1/ This table summarizes all plants listed in Tables 2 and 4 having an asterisk (*) following the installed capacity.

TABLE 7. - ESTIMATED INSTALLED CAPACITY AND AVERAGE ANNUAL GENERATION
OF UNDEVELOPED HYDROELECTRIC POWER SITES - JANUARY 1, 1960

Totals by Major Drainages and River Basins

Drainage and river basin	Installed capacity Kw	Avg. annual generation 1000 Kwh	Drainage and river basin	Installed capacity Kw	Avg. annual generation 1000 Kwh
United States (excluding Alaska & Hawaii)	95,301,000	361,682,500			
North Atlantic	7,506,600	20,617,100	Great Lakes-St. Lawrence (Contd)		
South Atlantic	3,940,700	9,616,700	Missisquoi	29,100	119,000
Eastern Gulf	3,339,000	9,774,500	Lamoille	29,600	70,000
Ohio River	6,520,300	23,432,700	Winooski	37,400	133,000
Great Lakes-St. Lawrence	3,877,800	18,126,900	Otter Creek	40,100	139,000
Hudson Bay	17,800	81,700	Poultney	3,600	13,000
Upper Mississippi River	847,400	3,478,000	Ausable	59,100	164,700
Missouri River	9,237,800	42,033,800	Saranac	68,200	140,000
Lower Mississippi River	4,939,900	14,622,200	Chateaugay	40,300	74,000
Western Gulf	1,480,200	2,795,300	Salmon	30,500	64,000
Colorado River	5,889,500	27,921,900	St. Regis	137,800	362,000
Great Basin	275,700	1,435,700	Raquette	183,500	258,000
North Pacific	37,129,700	147,213,600	Grass	77,200	189,000
South Pacific	10,298,600	40,532,400	Oswegatchie	60,400	256,500
			Black	118,900	569,000
North Atlantic			Salmon	46,400	104,000
St. John	255,500	1,002,000	Oswego	1,400	4,000
St. Croix	4,500	27,000	Genesee	141,100	456,000
Passamaquoddy Bay	150,000	900,000	Oak Orchard Creek	2,400	0
Machias	15,000	27,000	Niagara	2,190,000	13,000,000
Union	4,000	10,000	Chautauqua Creek	48,600	108,000
Penobscot	282,100	1,401,000	Au Sable	56,700	156,900
Kennebec	401,500	1,187,000	Manistee	89,600	215,100
Androscoggin	390,100	1,255,000	Muskegon	31,000	86,900
Saco	75,400	196,600	Grand	18,700	78,400
Merrimack	297,300	695,300	Kalamazoo	2,200	11,600
Connecticut	743,400	1,873,800	St. Joseph	15,200	65,400
Housatonic	101,000	336,000	Fox	45,200	149,600
Hudson	614,500	1,332,100	Oconto	4,500	22,600
Delaware	999,900	2,739,200	Peshtigo	17,200	78,700
Susquehanna	2,281,100	5,071,300	Menominee	53,100	230,000
Potomac	771,500	2,330,800	Tahquamenon	4,500	30,000
Rappahannock	104,800	191,000	Sturgeon	45,900	55,100
York	15,000	42,000	Ontonagon	27,000	126,400
			Montreal	11,700	56,000
South Atlantic			Bad	7,800	43,000
James	319,100	1,158,300	Brule	2,300	16,000
Roanoke	628,000	1,072,000	St. Louis	10,000	57,000
Pamlico	11,500	59,000	Gooseberry	1,200	4,000
Neuse	41,200	46,000	Beaver Bay	2,500	15,000
Cape Fear	171,100	467,000	Baptism	11,400	60,000
Yadkin-Pee-Dee	353,000	853,700	Poplar	11,900	64,000
Santee	898,900	1,895,800	Cascade	5,600	26,800
Edisto	15,000	83,600	Devil Track	5,500	24,700
Savannah	975,000	2,189,900	Brule	20,300	109,400
Altamaha	340,600	1,501,100	Pigeon	24,900	107,100
Satilla	127,300	191,200			
St. Marys	60,000	100,000	Hudson Bay		
			Rainy	17,800	81,700
Eastern Gulf					
Apalachicola	662,200	2,058,200	Upper Mississippi River		
Mobile-Alabama	2,551,200	7,429,400	Mississippi (Main)	126,200	487,200
Pascagoula	40,800	96,200	Illinois	84,700	490,200
Pearl	84,800	190,700	Cuivre	4,200	10,000
			Salt	35,000	86,800
Ohio River			Des Moines	67,900	263,800
Ohio (Main)	1,645,000	9,086,000	Skunk	6,600	28,000
Tennessee	521,200	1,016,400	Iowa	113,300	392,700
Cumberland	844,500	1,768,000	Rock	46,000	235,400
Wabash	396,000	1,494,000	Wapsipinicon	2,200	5,900
Green	102,000	314,000	Maquoketa	7,600	35,600
Salt	4,900	30,300	Turkey	2,500	11,800
Kentucky	61,100	245,000	Wisconsin	74,300	463,400
Licking	272,500	447,000	Upper Iowa	2,700	12,600
Little Miami	65,000	127,000	Root	3,300	15,300
Big Sandy	50,000	140,000	Black	15,400	58,000
Kanawha	1,252,000	5,804,000	Chippewa	191,500	594,500
Beaver	100,000	140,000	St. Croix	53,900	269,400
Monongahela	910,000	2,244,000	Minnesota	2,900	17,400
Allegheny	296,100	557,000			
			Missouri River		
Great Lakes-St. Lawrence			Missouri (Main)	4,522,900	20,025,000
Clyde	6,900	14,000	Gasconade	90,000	264,000

TABLE 7 (Contd) - ESTIMATED INSTALLED CAPACITY AND AVERAGE ANNUAL GENERATION
OF UNDEVELOPED HYDROELECTRIC POWER SITES - JANUARY 1, 1960

Totals by Major Drainages and River Basins

Drainage and river basin	Installed capacity Kw	Avg. annual generation 1000 Kwh	Drainage and river basin	Installed capacity Kw	Avg. annual generation 1000 Kwh
Missouri River (Contd)			North Pacific (Contd)		
Osage	72,100	309,700	Soleduck	17,700	119,000
Grand	18,000	95,000	Hoh	123,200	804,200
Kansas	121,200	426,000	Queets	27,000	118,300
Platte	1,036,900	4,309,800	Ouinault	42,300	292,400
Niobrara	154,500	680,500	Chehalis	26,800	223,700
White	4,500	6,200	North	20,000	87,600
Cheyenne	43,000	143,000	Columbia Basin:		
Cannonball	3,800	10,500	Columbia (Main)	10,726,600	38,368,000
Garrison Canal	95,000	395,000	Grays	15,000	60,000
Yellowstone	2,777,500	14,004,100	Cowlitz	1,265,200	4,662,500
Marias	3,600	9,000	Lewis	428,500	1,148,000
Sun	20,500	61,000	Willamette	1,122,000	5,554,700
Gallatin	20,800	108,000	Sandy	99,500	623,200
Madison	106,500	543,000	Little White Salmon	30,600	210,000
Jefferson	147,000	644,000	White Salmon	177,000	751,000
Lower Mississippi River			Klickitat	117,500	896,100
Mississippi (Main)	1,476,000	4,510,000	Deschutes	714,800	3,896,500
Red	790,700	2,518,700	Snake	13,061,300	51,026,000
Big Black	52,300	141,000	Yakima	186,000	1,162,900
Yazoo	32,000	121,000	Wenatchee	361,200	1,773,000
Arkansas	1,067,400	4,395,700	Entiat	5,700	42,900
White	1,416,000	2,702,800	Chelan	85,300	400,700
St. Francis	72,500	119,000	Okanogan	89,000	266,800
Kaskasia	3,000	14,000	Spokane	262,500	1,229,800
Meramec	30,000	100,000	Kettle	44,000	166,000
Western Gulf			Big Sheep Creek	5,600	48,000
Sabine	86,400	205,000	Clark Fork	2,765,100	9,141,600
Neches	68,400	202,800	Kootenai	1,625,200	4,483,200
Trinity	7,500	25,500	Total - Columbia Basin	33,187,600	125,910,900
Brazos	627,500	277,600	Nehalem	102,000	463,800
Colorado (Texas)	178,200	477,300	Wilson	31,900	166,600
Guadalupe	45,500	111,000	Trask	51,000	150,000
Nueces	7,500	28,000	Nestucca	22,400	120,600
Rio Grande	459,200	1,468,100	Siletz	56,900	380,100
Colorado River			Alsea	50,000	235,000
Colorado (Main)	4,221,000	19,723,700	Siuslaw	57,000	247,600
Gila	141,200	781,000	Smith	8,400	36,600
All American Canal	9,800	32,800	Umpqua	368,800	2,468,400
Williams	4,500	12,600	Coos	50,000	230,000
Virgin	13,200	59,000	Coquille	86,700	327,500
San Juan	346,000	1,591,600	Rogue	664,900	2,859,800
Escalante	1,400	0	South Pacific		
Green	783,100	3,512,900	Smith	100,000	460,000
Dolores	9,300	72,300	Klamath	871,800	4,151,600
Gunnison	224,700	1,295,000	Mad	117,000	590,000
Cottonwood Creek	13,500	67,800	Eel	276,600	1,586,400
Meadow Creek	4,700	41,000	Russian	34,000	255,000
Canyon Creek	51,000	235,800	Sacramento Basin:		
Roaring Fork	56,200	423,900	Sacramento (Main)	200,000	1,700,000
Eagle	7,200	52,000	Putah Creek	562,800	2,154,000
Blue	2,700	20,500	American	649,200	2,763,700
Great Basin			Feather	2,514,200	7,196,100
Truckee	52,500	201,100	Butte Creek	47,600	272,000
Carson Lake	26,000	158,600	Stoney Creek	8,500	33,000
Walker Lake	25,200	123,100	Deer Creek	97,200	456,700
Owens	57,400	368,400	Antelope Creek	16,200	100,200
Great Salt Lake	114,600	584,500	West Side Canal	166,000	1,300,000
North Pacific			Cottonwood Creek	408,000	1,545,000
Nooksack	115,300	578,000	Clear Creek	1,489,000	4,967,000
Whatcom Creek	16,800	134,200	Spring Creek	150,000	503,000
Skagit	862,200	4,659,800	Pit	346,700	1,401,000
Stillaguamish	158,100	970,700	Total - Sacramento Basin	6,655,400	24,391,700
Snohomish	456,900	2,485,100	San Joaquin Basin:		
Duwamish	65,000	430,000	San Joaquin (Main)	257,500	1,087,000
Puyallup	185,000	990,100	Mokelumne	56,500	268,000
Nisqually	20,300	155,900	Stanislaus	478,000	1,838,700
Hood Canal	141,000	660,100	Tuolumne	316,400	1,383,600
Dungeness	24,400	159,900	Merced	142,600	394,000
Elwha	65,700	522,700	Middle Fork San Joaquin	30,000	140,000
Lyre	24,400	205,000	Total - San Joaquin	1,283,000	5,111,300
			Tulare Lake	695,100	2,544,600
			Buena Vista Lake	228,500	1,298,500
			Santa Clara	23,000	70,000
			Santa Ana	14,200	73,300

**TABLE 8 - INDIVIDUAL UNDEVELOPED HYDROELECTRIC POWER SITES
WITH PRINCIPAL CHARACTERISTICS - JANUARY 1, 1960**

By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
<u>NORTH ATLANTIC</u>						
ST JOHN		AROOSTOOK	MAINE	18 000	70 000	60
CASTLE HILL		FISH	MAINE	7 500	32 000	45
FISH RIVER FALLS		ST JOHN	MAINE	230 000	900 000	255
RANKIN RAPIDS				255 500	1 002 000	
PASSAMAQUODDY BAY		PASSAMAQUODDY BAY	MAINE	150 000	900 000	22
PASSAMAQUODDY TIDAL	1/			150 000	900 000	
ST CROIX		ST CROIX	MAINE	4 500	27 000	50
MILLTOWN				4 500	27 000	
MACHIAS		MACHIAS	MAINE	15 000	27 000	101
UPPER HOLMES				15 000	27 000	
UNION		UNION	MAINE	4 000	10 000	22
ELLSWORTH FALLS				4 000	10 000	
PENOBSCOT		PENOBSCOT	MAINE	9 700	78 000	27
R BASIN MILLS		PENOBSCOT	MAINE	40 000	223 000	115
BANGOR DIVERSION		PENOBSCOT	MAINE	12 000	95 000	28
SUNKHAZE RAPIDS		PISCATAQUIS	MAINE	600	3 000	16
A HOWLAND		PISCATAQUIS	MAINE	20 000	76 000	91
BONNIE BROOK		PENOBSCOT	MAINE	6 000	51 000	20
A STANFORD		PENOBSCOT	MAINE	8 000	62 000	16
MOHAWK RAPIDS		PENOBSCOT	MAINE	12 000	89 000	23
WINN		MATTAWAMKEAG	MAINE	40 000	170 000	140
STRATTON RIPS		PENOBSCOT	MAINE	4 300	8 000	40
A MATTASEUNK		W BR PENOBSCOT	MAINE	15 000	69 000	58
DEBSONEAG		W BR PENOBSCOT	MAINE	24 000	109 000	95
SOURDNAHUNK		W BR PENOBSCOT	MAINE	22 500	94 000	90
THE ARCHES		E BR PENOBSCOT	MAINE	12 000	48 000	50
MEADOW BROOK		E BR PENOBSCOT	MAINE	30 000	117 000	135
WHETSTONE FALLS		SEBOOIS STR	MAINE	6 000	28 000	50
GRAND FALLS		SAXTELLE BR	MAINE	15 000	59 000	140
SAWTELLE FALLS		WEBSTER BR	MAINE	5 000	22 000	90
GRAND PITCH				282 100	1 401 000	
KENNEBEC		KENNEBEC	MAINE	2 400	9 000	22
R AUGUSTA		KENNEBEC	MAINE	2 100	9 000	21
A WATERVILLE LOWER		KENNEBEC	MAINE	1 600	11 000	23
A WATERVILLE UPPER		KENNEBEC	MAINE	2 000	14 000	23
A SHAWMUT		KENNEBEC	MAINE	3 000	11 000	32
A WESTON		SANDY	MAINE	10 000	42 000	120
GREENLEAF		KENNEBEC	MAINE	22 400	142 000	64
R MADISON HIGH		CARRABASSETT	MAINE	6 000	20 000	75
NEW PORTLAND		KENNEBEC	MAINE	10 000	54 000	29
NORTH ANSON		KENNEBEC	MAINE	180 000	383 000	690
PIERCE POND DIVR		KENNEBEC	MAINE	48 000	166 000	110
THE FORKS		KENNEBEC	MAINE	90 000	259 000	195
COLD STREAM		KENNEBEC	MAINE	24 000	67 000	64
MOOSEHEAD LAKE				401 500	1 187 000	
ANDROSCOGGIN		ANDROSCOGGIN	MAINE	18 000	61 000	33
R BRUNSWICK		ANDROSCOGGIN	MAINE	10 000	52 000	22
R PEJEPSCOT		ANDROSCOGGIN	MAINE	14 100	67 000	48
R WORUMBO		ANDROSCOGGIN	MAINE	15 000	78 000	55
R LEWISTON		ANDROSCOGGIN	MAINE	5 000	25 000	31
A DEER RIPS		ANDROSCOGGIN	MAINE	10 000	38 000	68
R GULF ISLAND		ANDROSCOGGIN	MAINE	30 000	68 000	49
R RAM ISLAND		ANDROSCOGGIN	MAINE	18 000	74 000	42
R LIVERMORE FALLS		ANDROSCOGGIN	MAINE	9 000	44 000	24
R OTIS		ANDROSCOGGIN	MAINE	14 000	62 000	34
R JAY						

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
ANDROSCOGGIN CONTD						
	DIXFIELD	ANDROSCOGGIN	MAINE	10 000	49 000	25
R	RUMFORD LOWER	ANDROSCOGGIN	MAINE	28 000	92 000	80
A	RUMFORD UPPER	ANDROSCOGGIN	N H	17 000	29 000	105
	GILEAD	ANDROSCOGGIN	MAINE	16 000	61 000	40
A	GORHAM	ANDROSCOGGIN	N H	2 500	7 000	18
	PULSIFER RIPS	ANDROSCOGGIN	N H	6 000	43 000	40
	BERLIN	ANDROSCOGGIN	N H	75 000	60 000	370
	PONTOOK	ANDROSCOGGIN	N H	24 000	95 000	80
	MOLLIDGE WOCK	ANDROSCOGGIN	N H	22 500	54 000	45
	ERROL	ANDROSCOGGIN	N H	24 000	57 000	55
	AZISCOHOS	MAGALLOWAY	MAINE	10 000	49 000	245
	RICHARDSON	RAPID	MAINE	8 000	60 000	178
R	KENNEBAGO	KENNEBAGO	MAINE	4 000	30 000	309
				390 100	1 255 000	
SACO						
	CATARACT	SACO	MAINE	10 000	40 000	43
A	WEST BUXTON	SACO	MAINE	5 400	16 000	27
A	BONNY EAGLE	SACO	MAINE	7 800	26 000	38
	STEEP FALLS	SACO	MAINE	15 000	48 000	38
R	GREAT FALLS	SACO	MAINE	37 200	66 600	111
				75 400	196 600	
MERRIMACK						
R	ESSEX DAM	MERRIMACK	MASS	2 200	15 000	30
R	PAWTUCKET DAM	MERRIMACK	MASS	8 600	49 000	37
	MOORES FALLS	MERRIMACK	N H	30 000	110 000	35
A	AMOSKEAG	MERRIMACK	N H	22 000	28 000	46
A	HOOKSETT	MERRIMACK	N H	7 400	20 000	14
A	GARVINS	MERRIMACK	N H	13 500	15 300	30
A	SEWALLS FALLS	MERRIMACK	N H	6 000	13 000	16
	RIVER HILL	CONTOOCOOK	N H	20 000	64 000	114
	BLACKWATER	BLACKWATER	N H	12 000	21 000	218
	ROBY	WARNER	N H	2 000	8 000	140
	LONG FALLS	CONTOOCOOK	N H	12 000	36 000	118
	STODDARD NO 1	N BR CONTOOCOOK	N H	6 000	7 000	268
	WEST PETERBORO	CONTOOCOOK	N H	1 000	2 000	100
	TILTON	WINNIPESAUKEE	N H	14 000	34 000	92
R	EASTMAN FALLS	PEMIGEWASSET	N H	10 000	21 000	55
	SMITH RIVER DIVR	NEWFOUND	N H	100 000	175 000	257
A	AYERS ISLAND	PEMIGEWASSET	N H	6 600	7 000	80
	LIVERMORE FALLS	PEMIGEWASSET	N H	24 000	70 000	149
				297 300	695 300	
CONNECTICUT						
	ENFIELD RAPIDS	CONNECTICUT	CONN	62 100	262 000	33
	HUNTINGTON	WESTFIELD	MASS	6 000	25 000	115
	KNIGHTVILLE	WESTFIELD	MASS	10 000	20 000	115
A	HADLEY FALLS	CONNECTICUT	MASS	45 000	150 000	54
	MEADOW	DEERFIELD	MASS	12 700	42 000	61
	CHARLEMONT	DEERFIELD	MASS	20 000	50 000	105
	ZOAR	DEERFIELD	MASS	20 000	50 000	140
	RAKE BRANCH	DEERFIELD	VT	4 000	7 000	120
R	TURNERS FALLS	CONNECTICUT	MASS	60 000	150 000	82
	ERVING	MILLERS	MASS	30 000	80 000	290
	TULLY	MILLERS	MASS	20 000	30 000	177
	SOUTH ROYALSTON	MILLERS	MASS	10 000	20 000	126
	HINSDALE	ASHUELOT	N H	20 000	50 000	160
	OTTER BROOK	OTTER BROOK	N H	4 000	8 000	230
	BALD HILL	ASHUELOT	N H	16 000	22 000	278
A	VERNON	CONNECTICUT	N H	20 000	35 000	34
	WILLIAMSVILLE	WEST	VT	145 000	84 000	224
	BALL MOUNTAIN	WEST	VT	20 000	70 000	340
U	BELLOWS FALLS	CONNECTICUT	VT	0	60 000	62
R	SPRINGFIELD	BLACK	VT	6 500	20 800	122
	PERKINSVILLE	BLACK	VT	10 000	30 000	220
	CLAREMONT	SUGAR	N H	5 000	18 000	120
	NORTHVILLE	SUGAR	N H	8 000	36 000	250
	HART ISLAND	CONNECTICUT	VT	25 200	109 000	28
	LAKE MASCOMA	MASCOMA	N H	4 000	15 000	150
	GAYSVILLE	WHITE	VT	10 700	33 000	139
A	WILDER	CONNECTICUT	VT	16 200	13 000	53
	UNION VILLAGE	OMPOMANOOSUC	VT	2 000	8 000	100
	BRADFORD	WAITS	VT	3 000	10 000	76

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CONNECTICUT CONTD						
	SOUTH BRANCH	WAITS	VT	4 000	11 000	250
	WELLS RIVER	CONNECTICUT	N H-VT	20 000	60 000	29
	BOLTONVILLE NO 2	WELLS	VT	2 000	8 000	100
	BOLTONVILLE NO 1	WELLS	VT	2 000	5 000	67
	GROTON POND	WELLS	VT	2 000	4 000	250
	BATH NO 2	AMMONOOSUC	N H	10 000	25 000	65
	BATH NO 1	AMMONOOSUC	N H	6 000	15 000	55
	SWIFTWATER	AMMONOOSUC	N H	2 000	15 000	250
	EAST BARNET	PASSUMPSIC	VT	4 000	13 000	35
R	PASSUMPSIC	PASSUMPSIC	VT	2 000	3 000	26
R	GAGE	PASSUMPSIC	VT	2 000	4 000	25
R	ARNOLD	PASSUMPSIC	VT	3 000	9 000	37
R	LYNDONVILLE	PASSUMPSIC	VT	3 000	10 000	80
	EAST BURKE	PASSUMPSIC	VT	4 000	8 000	140
	COOS	CONNECTICUT	N H-VT	24 000	100 000	120
	BROWNS MILL	PAUL STREAM	VT	9 000	15 000	327
	BLOOMFIELD	NULHEGAN	VT	3 000	8 000	100
R	CANAAN	CONNECTICUT	VT	6 000	12 000	50
				723 400	1 832 800	
HOUSATONIC						
	INDIAN STREAM	CONNECTICUT	N H	20 000	41 000	150
	THOMASTON	NAUGATUCK	CONN	3 000	13 000	111
R	SHELTON	HOUSATONIC	CONN	13 000	40 000	32
	ROXBURY	SHEPAUG	CONN	7 500	27 000	157
	STEEP ROCK	SHEPAUG	CONN	6 000	19 000	150
	BOARDMAN	HOUSATONIC	CONN	10 000	35 000	35
	WEBATUCK	TENMILE	N Y	5 000	24 000	135
	KENT FURNACE	HOUSATONIC	CONN	25 000	76 000	95
	WEST CORNWALL	HOUSATONIC	CONN	6 500	22 000	30
	MT PROSPCT CAANAN	HOUSATONIC	CONN	25 000	80 000	121
				121 000	377 000	
HUDSON						
	EDDYVILLE	WALLKILL	N Y	2 000	7 400	15
	GARDINER	WALLKILL	N Y	4 000	15 900	38
R	STUYVESANT FALLS	KINDERHOOK	N Y	2 900	7 200	129
	EAST NASSAU	KINDERHOOK	N Y	3 500	15 600	180
A	GREEN ISLAND	HUDSON	N Y	9 600	39 000	16
A	CRESCENT	MOHAWK	N Y	5 600	23 000	28
	VISCHER FERRY	MOHAWK	N Y	5 600	23 000	28
A	INGHAMS	E CANADA CR	N Y	3 200	4 800	124
A	DOLGEVILLE	E CANADA CR	N Y	2 500	8 000	74
A	TRENTON FALLS	W CANADA CR	N Y	23 000	19 000	264
	WILMURT	W CANADA CR	N Y	6 300	26 000	100
	MOREHOUSEVILLE	W CANADA CR	N Y	7 500	17 000	302
	WATERFORD	HUDSON	N Y	15 000	49 800	14
A	LOWER MECHANICVLE	HUDSON	N Y	4 900	24 000	18
A	UPPER MECHANICVLE	HUDSON	N Y	7 000	15 000	23
	STILLWATER	HUDSON	N Y	6 400	20 400	9
R	GREENWICH	BATTEN KILL	N Y	7 400	38 000	106
	SHUSHAN	BATTEN KILL	N Y	2 100	10 200	65
A	THOMPSON	HUDSON	N Y	6 100	28 000	18
	FORT MILLER	HUDSON	N Y	5 700	20 400	10
A	FORT EDWARD	HUDSON	N Y	3 200	16 400	21
R	HUDSON FALLS	HUDSON	N Y	85 900	150 000	80
A	S GLEN FALLS	HUDSON	N Y	18 000	14 300	47
A	FEEDER DAM	HUDSON	N Y	1 200	4 000	15
A	SHERMAN ISLAND	HUDSON	N Y	8 000	12 000	68
A	SPIER FALLS	HUDSON	N Y	40 000	8 000	83
A	PALMER FALLS	HUDSON	N Y	59 000	133 000	87
A	CORINTH	HUDSON	N Y	17 800	29 000	27
A	E J WEST	SACANDAGA	N Y	10 000	8 700	75
	BLACKBRIDGE	W BR SACANDAGA	N Y	23 000	59 000	300
	PISECO LAKE	W BR SACANDAGA	N Y	22 000	49 000	328
	AUGER FLAYS	SACANDAGA	N Y	13 000	35 000	340
	LAKE PLEASANT	SACANDAGA	N Y	11 000	22 000	316
	HADLEY	HUDSON	N Y	82 000	171 000	67
	KETTLE MTN	HUDSON	N Y	78 000	182 000	300
	TROUT BROOK	TROUT BROOK	N Y	6 800	14 000	260
	CHAIN LAKES	CEDAR	N Y	5 300	13 000	90
				614 500	1 332 100	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
DELAWARE						
	YARDLEY	DELAWARE	N J-PA	60 000	290 000	45
	LUMBERVILLE	DELAWARE	N J-PA	60 000	260 000	50
	RIEGELVILLE	DELAWARE	N J-PA	60 000	260 000	50
	MAUCH CHUNK	LEHIGH	PA	150 000	325 000	1 060
	CHESTNUT HILL	DELAWARE	N J-PA	40 000	180 000	45
	BELVIDERE	DELAWARE	N J-PA	170 000	450 000	120
	FLAT BROOK	FLAT BROOK	PA	230 000	350 000	260
	WALLPACK BEND	DELAWARE	N J-PA	60 000	130 000	90
	OAKLAND VALLEY	NEVERSINK	N Y	9 700	46 000	210
	DENTON FALLS	NEVERSINK	N Y	14 900	67 000	360
	WOODBURNE	NEVERSINK	N Y	3 000	10 300	115
	DELAWARE	MONGAUP	N Y	10 000	35 000	160
	BARRYVILLE	DELAWARE	N Y-PA	29 700	125 600	70
A	WALLENPAUPACK	LACKAWAXEN	PA	40 000	0	370
	NARROWSBURG	DELAWARE	N Y-PA	15 900	64 000	40
	HANCOCK	E BR DELAWARE	N Y	10 300	39 000	65
	EAST BRANCH	E BR DELAWARE	N Y	6 100	15 000	83
	LEWBEACH	BEAVERKILL	N Y	3 000	9 000	118
	LIVINGSTON	WILLOWEMOC	N Y	3 200	9 000	120
	CANONSVILLE	W BR DELAWARE	N Y	20 000	67 000	175
	DELHI	LITTLE DELAWARE	N Y	4 100	7 300	160
				999 900	2 739 200	
SUSQUEHANNA						
R	HOLTWOOD	SUSQUEHANNA	PA	17 000	181 000	59
A	CONOWINGO	SUSQUEHANNA	MD	144 000	384 000	88
A	SAFE HARBOR	SUSQUEHANNA	PA	158 000	0	54
R	SHOCKS MILLS	SUSQUEHANNA	PA	277 900	852 000	60
	MARYSVILLE	SUSQUEHANNA	PA	180 000	523 000	32
	VINEYARD	JUNIATA	PA	24 000	93 000	53
	RAYSTOWN	RAYSTOWN BR	PA	189 000	120 000	188
	HALF FALLS	SUSQUEHANNA	PA	160 000	850 000	75
	MUNCY	W BR SUSQUEHANNA	PA	60 000	233 000	38
	CAMMAL	PINE CR	PA	85 000	130 000	235
	BLANCHARD	BALD EAGLE CR	PA	10 000	18 700	66
	LOCK HAVEN	W BR SUSQUEHANNA	PA	80 000	212 000	82
	KETTLE CREEK	KETTLE CR	PA	16 000	30 000	150
	FIRST FORK	FIRST FK	PA	18 000	35 600	164
	KEATING	W BR SUSQUEHANNA	PA	575 000	550 000	353
	CURWENSVILLE	W BR SUSQUEHANNA	PA	25 000	46 600	123
	FALLS	SUSQUEHANNA	PA	250 000	760 000	150
	HALLSTEAD	SUSQUEHANNA	PA	12 200	52 400	36
				2 281 100	5 071 300	
POTOMAC						
	OCCOQUAN	OCCOQUAN	VA	17 500	46 800	165
	CHAIN BRIDGE	POTOMAC	VA	120 000	442 000	75
S	BEAR ISLAND	POTOMAC	MD-VA	100 000	268 000	74
S	RIVERBEND	POTOMAC	MD-VA	150 000	444 000	77
	HARPERS FERRY	POTOMAC	VA	90 000	333 000	67
	MILLVILLE	SHENANDOAH	W VA	90 000	219 000	156
	ROCKY MARSH	POTOMAC	W VA	22 000	82 000	26
	PINESBURG	POTOMAC	W VA	44 000	141 000	52
	EDES FORT	CACAPON	W VA	24 000	68 000	222
S	ORLEANS	POTOMAC	MD-W VA	40 000	96 000	54
	SPRINGFIELD	S BR POTOMAC	W VA	60 000	124 000	178
	ROYAL GLEN	S BR POTOMAC	W VA	14 000	67 000	187
				771 500	2 330 800	
RAPPAHANNOCK						
R	FREDERICKSBURG	RAPPAHANNOCK	VA	18 800	34 000	63
	SALEM CHURCH	RAPPAHANNOCK	VA	86 000	157 000	176
				104 800	191 000	
YORK						
	GOODALL	SOUTH ANNA	VA	5 100	15 000	90
	ROCK FALLS	NORTH ANNA	VA	5 900	16 000	74
	DILLARDS MILL	NORTH ANNA	VA	4 000	11 000	60
				15 000	42 000	
NORTH ATLANTIC TOTAL				7 506 600	20 617 100	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
<u>SOUTH ATLANTIC</u>						
JAMES						
R	12TH STREET	JAMES	VA	10 500	68 000	28
R	BELLE ISLE	JAMES	VA	16 600	84 000	37
R	BOULEVARD	JAMES	VA	19 900	102 000	32
	BOSHER	JAMES	VA	24 000	126 000	32
	PEMBERTON	JAMES	VA	108 000	360 000	99
	ROCK HOUSE	JAMES	VA	12 000	74 000	29
	JOSHUA FALLS	JAMES	VA	16 000	82 000	44
R	BALCONY FALLS	JAMES	VA	14 100	74 300	50
	MAURY	NORTH	VA	36 000	53 000	298
	LYLE	JAMES	VA	10 000	57 000	46
	HIPES	CRAIG CR	VA	18 000	27 000	143
	GATHRIGHT	JACKSON	VA	34 000	51 000	252
				319 100	1 158 300	
ROANOKE						
	GASTON	ROANOKE	N C	180 000	334 000	68
R	SCHOOLFIELD	DAN	VA	38 500	64 000	80
	STUART	SMITH	VA	15 000	40 000	118
	RANDOLPH	ROANOKE	VA	30 000	100 000	71
	MELROSE	ROANOKE	VA	34 500	133 000	111
	TABER	ROANOKE	VA	10 000	41 000	37
	LEESVILLE	ROANOKE	VA	35 000	44 000	75
	SMITH MOUNTAIN 2/	ROANOKE	VA	285 000	316 000	195
				628 000	1 072 000	
PAMLICO						
	PROJECT NO 4	TAR	N C	3 500	19 300	27
	PROJECT NO 3	TAR	N C	4 000	19 700	55
	PROJECT NO 2	TAR	N C	4 000	20 000	65
				11 500	59 000	
NEUSE						
	BAKERS MILLS	LITTLE	N C	3 200	2 600	35
	SMITHFIELD	NEUSE	N C	9 000	14 300	21
	WILSON MILLS	NEUSE	N C	8 500	9 700	40
	MILBURNIE	NEUSE	N C	9 500	8 500	40
	FALLS	NEUSE	N C	11 000	10 900	50
				41 200	46 000	
CAPE FEAR						
	SMILEY FALLS	CAPE FEAR	N C	23 800	84 200	40
	LILLINGTON	CAPE FEAR	N C	27 000	95 000	45
	LOCKVILLE	DEEP	N C	13 000	38 000	49
	NEW HOPE	HAW	N C	33 500	76 000	70
	MOORES MILL	HAW	N C	22 400	56 000	70
R	BYNUM	HAW	N C	29 000	63 400	90
	MANDALE	HAW	N C	22 400	54 400	80
				171 100	467 000	
YADKIN-PEE-DEE						
	MORVEN	PEE DEE	N C	57 000	125 000	40
	CRUMPS FORD	ROCKY	N C	33 000	81 500	135
	NANCES FORD	ROCKY	N C	5 200	19 400	68
	LOVES FORD	ROCKY	N C	11 500	36 000	108
A	TILLERY	YADKIN	N C	22 000	6 000	72
	TUCKERTOWN	YADKIN	N C	40 000	138 000	55
	COOLEEMEE	SOUTH YADKIN	N C	15 100	22 600	86
	JUNCTION	YADKIN	N C	36 000	109 000	71
	STYERS	YADKIN	N C	24 000	103 000	85
	UPPER DONNAH	YADKIN	N C	58 800	125 000	124
	ELKIN	YADKIN	N C	17 400	43 500	77
	WILKESBORO	YADKIN	N C	33 000	44 700	149
				353 000	853 700	
SANTEE						
A	PINOPOLIS	SANTEE COOPER	S C	30 600	0	70
	BUCKINGHAM LNDING	SANTEE	S C	85 000	500 000	55
	COURTNEY ISLAND	CATAWBA	S C	50 000	128 000	56
	SUGAR CREEK	CATAWBA	S C	25 000	55 000	32
R	LINCOLNTON	SOUTH FK	N C	7 200	9 100	83
	COWANS FORD	CATAWBA	N C	350 000	140 000	112
	MORGANTON	CATAWBA	N C	26 900	52 200	70

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
Santee Contd						
R	REREGULATOR	CONGAREE	S C	19 400	135 000	40
	FROST SHOALS	BROAD	S C	40 000	209 000	68
	BURNT FACTORY	TIGER	S C	8 100	31 000	90
	NESBIT	TIGER	S C	7 000	26 000	98
R	BLAIRS	BROAD	S C	48 800	188 000	79
	GREATER LOCKHART	BROAD	S C	14 000	80 000	48
	TROUGH	PACOLET	S C	3 200	13 000	45
	GREATER CHEROKEE	BROAD	S C	12 000	50 000	36
R	GREATER GASTON	BROAD	S C	15 700	84 000	105
	CLINCHFIELD	BROAD	N C	25 000	59 000	140
R	TURNER	GREEN	N C	3 000	6 500	87
	FOSTER	GREEN	N C	10 000	21 000	115
	SALUDA	GREEN	N C	50 000	100 000	687
R	TUXEDO	GREEN	N C	3 000	9 000	296
A	SALUDA	SALUDA	S C	65 000	0	180
				898 900	1 895 800	
Edisto						
	WALTERBORO	EDISTO	S C	15 000	83 600	80
				15 000	83 600	
Savannah						
	LOWER SAVANNAH	SAVANNAH	GA-S C	263 000	638 000	144
	ANTHONY SHOALS	BROAD	GA	24 000	65 000	65
	TALLOW HILL	BROAD	GA	45 000	119 000	190
	GOAT ISLAND	SAVANNAH	GA-S C	62 000	276 000	95
	MIDDLETON SHOALS	SAVANNAH	GA-S C	26 000	117 200	45
	HARTWELL	SAVANNAH	GA	330 000	453 000	185
	NEWRY	KEOWEE	S C	32 000	80 000	140
	TOXAWAY	TOXAWAY	S C	90 000	186 000	2 147
	CAMP CREEK	CHATTOOGA	GA-S C	26 000	63 000	130
	ROGUES FORD	CHATTOOGA	GA-S C	38 000	95 000	296
	SAND BOTTOM	CHATTOOGA	GA-S C	19 000	47 600	142
	WAR WOMAN	CHATTOOGA	GA-S C	20 000	49 200	182
				975 000	2 189 000	
Altamaha						
	GOOSE CREEK	ALTAMAHA	GA	120 000	486 000	65
	CYPRESS BRANCH	OCONEE	GA	15 000	118 000	29
	ROCKLEDGE	OCONEE	GA	18 000	136 000	37
	DUBLIN	OCONEE	GA	18 000	131 000	37
	TOOMSBORO	OCONEE	GA	14 000	101 000	36
	MILLEDGEVILLE	OCONEE	GA	9 000	62 200	23
	MURDER CREEK	MURDER CR	GA	60 000	126 000	131
	MONTICELLO	SHOAL CR	GA	12 000	59 000	70
	LAURENS SHOALS	OCONEE	GA	32 000	118 000	104
	HIGH SHOALS	APALACHEE	GA	2 600	10 700	115
R	BARNETT SHOALS	OCONEE	GA	7 200	23 300	68
R	MITCHELL BRIDGE	MIDDLE OCONEE	GA	2 900	11 900	35
R	TALASSEE	MIDDLE OCONEE	GA	8 500	32 500	100
	JACKSON BRIDGE	TOWALIGA	GA	3 200	13 800	74
	FACTORY SHOALS	ALCOVY	GA	4 000	20 600	111
	ALMON	YELLOW	GA	3 000	9 300	42
	IRWIN BRIDGE	YELLOW	GA	3 000	7 900	56
	SNAPPING SHOALS	SOUTH	GA	4 000	18 600	54
	PEACHSTONE	SOUTH	GA	4 200	15 300	66
				340 600	1 501 100	
Satilla						
	ST MARYS SATILLA	SATILLA	GA	100 000	133 000	51
	HURRICANE	SATILLA	GA	12 400	23 400	32
	WAYCROSS	SATILLA	GA	9 600	22 100	35
	PEARSON	SATILLA	GA	5 300	12 700	34
				127 300	191 200	
St Marys						
	MACCLENNY	ST MARYS	FLA	60 000	100 000	61
				60 000	100 000	
SOUTH ATLANTIC TOTAL				3 940 700	9 616 700	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
<u>EASTERN GULF</u>						
APALACHICOLA						
	WALTER F GEORGE	CHATTAHOOCHEE	GA-ALA	130 000	436 000	88
	FORT BENNING	CHATTAHOOCHEE	GA-ALA	25 000	70 000	24
R	COLUMBUS	CHATTAHOOCHEE	GA	26 200	76 900	33
R	NORTH HIGHLANDS	CHATTAHOOCHEE	GA	23 100	75 000	40
	FLAT SHOAL	CHATTAHOOCHEE	GA-ALA	31 000	101 800	40
	LANIER	CHATTAHOOCHEE	GA	66 700	200 000	71
	FRANKLIN	CHATTAHOOCHEE	GA	40 000	140 000	55
	CEDAR CREEK	CHATTAHOOCHEE	GA	35 000	90 000	70
	VININGS	CHATTAHOOCHEE	GA	18 200	52 900	43
R	MORGAN FALLS	CHATTAHOOCHEE	GA	41 200	103 000	117
	LOWER VADA	FLINT	GA	16 000	114 000	49
	RACCOON CREEK	FLINT	GA	4 900	41 600	27
R	ALBANY	FLINT	GA	13 800	28 200	30
	ABRAMS CREEK	FLINT	GA	11 800	41 300	20
	MOUNTAIN CREEK	FLINT	GA	21 000	67 600	36
	MIONA	FLINT	GA	19 000	57 900	48
	LOWER AUCHUMPEE	FLINT	GA	43 000	116 000	97
	LIZA CREEK	FLINT	GA	39 700	115 000	126
	SPEWRELL BLUFF	FLINT	GA	56 600	131 000	172
				662 200	2 057 700	
MOBILE-ALABAMA						
	DEMOPOLIS	TOMBIGBEE	ALA	35 000	150 000	38
	TUSCALOOSA	WARRIOR	ALA	16 000	103 000	30
	NORTH RIVER	NORTH	ALA	14 000	51 000	146
	LOCK AND DAM 13	WARRIOR	ALA	88 000	213 000	54
	JOHN H BANKHEAD	WARRIOR	ALA	45 500	187 000	69
	SAYRE	LOCUST FK	ALA	30 800	37 000	49
	SMITHS FORD	LOCUST FK	ALA	115 200	94 000	177
	AUSTIN CREEK	LOCUST FK	ALA	7 300	24 900	94
	UPPER DAM	LOCUST FK	ALA	20 000	42 300	148
	LEWIS SMITH	SIPSEY FK	ALA	157 500	209 000	239
	DORSEY CREEK	MULBERRY FK	ALA	82 000	67 600	136
B	BELOW STATE LINE	TOMBIGBEE	ALA	100 000	630 000	85
B	ABOVE STATE LINE	TOMBIGBEE	MISS	200 000	1 270 000	172
	MILLERS FERRY	ALABAMA	ALA	76 000	394 000	50
	JONES BLUFF	ALABAMA	ALA	68 000	335 000	45
	WALLAHATCHIE	TALLAPOOSA	ALA	22 300	59 000	40
A	YATES	TALLAPOOSA	ALA	16 000	20 000	55
	EMUCKFAW	TALLAPOOSA	ALA	90 000	194 000	110
	MALONE FERRY	TALLAPOOSA	ALA	12 000	35 000	28
	CROOKED CREEK	TALLAPOOSA	ALA	65 000	153 000	140
	OAKFUSKEE	TALLAPOOSA	ALA	19 200	44 000	100
R	JORDAN	COOSA	ALA	225 000	882 000	127
R	MITCHELL	COOSA	ALA	65 000	132 000	71
	HATCHET CREEK	HATCHET CR	ALA	17 000	40 000	158
R	LAY DAM	COOSA	ALA	96 000	205 000	84
	WAXAHATCHEE	WAXAHATCHEE CR	ALA	2 600	8 000	68
	KELLY CREEK	COOSA	ALA	125 100	374 000	58
	LOCK 3	COOSA	ALA	72 600	209 000	36
	WEISS	COOSA	ALA	87 800	216 000	47
	TERRAPIN	TERRAPIN CR	ALA	2 600	9 700	65
	LITTLE RIVER	LITTLE	ALA	14 500	46 100	440
	MILLS CREEK	MILLS CR	ALA	4 600	12 000	83
	KINGSTON	ETOWAH	GA	31 000	97 000	70
A	ALLATOONA	ETOWAH	GA	36 000	0	146
	CANTON	ETOWAH	GA	11 400	41 800	67
	GILMER	ETOWAH	GA	25 300	67 000	160
	ARMUCHEE	OOSTANULA	GA	24 000	99 000	60
	FISHER CREEK	COOSAWATTEE	GA	44 600	91 000	245
	GOBLE CREEK 2/	COOSAWATTEE	GA	360 000	500 000	290
	CARTECAY	CARTECAY	GA	10 500	29 300	201
	TILTON	CONASAUGA	GA	10 000	41 000	65
	JACKS RIVER	CONASAUGA	TENN	5 800	16 700	190
				2 551 200	7 429 400	
PASCAGOULA						
	WAYNESBORO	CHICKASAWHAY	MISS	32 000	74 400	74
	CHUNKY CREEK	CHUNKY CR	MISS	8 800	21 800	65
				40 800	96 200	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
PEARL	STRONG	MISS	11 900	21 400	68
LOWER STRONG	STRONG	MISS	9 400	18 300	90
D LO	PEARL	MISS	52 200	119 000	78
JACKSON	YOKAHOCKANY	MISS	3 300	10 100	50
YOKAHOCKANY	PEARL	MISS	8 000	21 900	55
EDINBURG			84 800	190 700	
<u>EASTERN GULF TOTAL</u>			<u>3 339 000</u>	<u>9 774 500</u>	
<u>OHIO RIVER</u>					
TENNESSEE	TENNESSEE	ALA	162 000	162 000	88
A WILSON	TENNESSEE	ALA	97 200	0	48
A WHEELER	CLINCH	TENN	72 000	300 000	43
MELTON HILL	CANE	N C	10 000	29 400	410
ELK SHOAL	NOLICHUCKY	TENN	40 000	135 000	115
NOLICHUCKY	PIGEON	N C	60 000	115 000	302
FINES CREEK	PIGEON	TENN	20 000	110 000	237
HARTFORD	HOLSTON	TENN	60 000	165 000	91
FORGEY CREEK			521 200	1 016 400	
CUMBERLAND	CUMBERLAND	KY	130 000	551 000	47
A BARKLEY	CUMBERLAND	TENN	12 000	40 000	27
A CHEATHAM	HARPETH	TENN	18 000	45 000	94
THREE ISLANDS	STONE	TENN	13 500	52 000	96
J PERCY PRIEST	CUMBERLAND	TENN	92 000	310 000	55
CORDELL HULL	CUMBERLAND	KY	69 000	227 000	38
CELINA	SOUTH FK	KY	480 000	463 000	473
DEVILS JUMP	ROCK CASTLE	KY	10 000	44 000	147
ROCK CASTLE	LAUREL	KY	20 000	56 000	273
LAUREL			844 500	1 788 000	
OHIO MAIN STREAM	OHIO	ILL-KY	500 000	276 000	44
GOLCONDA			500 000	276 000	
WABASH	WHITE	IND	25 000	130 000	28
PETERSBURG	E FK WHITE	IND	15 000	70 000	28
LOST RIVER	E FK WHITE	IND	30 000	110 000	57
SHOALS	W FK WHITE	IND	15 000	60 000	54
SPENCER	WABASH	IND-ILL	80 000	420 000	42
MT CARMEL	WABASH	IND-ILL	30 000	130 000	30
VINCENNES	WABASH	IND-ILL	30 000	130 000	31
TERRE HAUTE	WABASH	IND	75 000	225 000	62
CLINTON	VERMILLION	ILL	10 000	25 000	60
DANVILLE	WABASH	IND	75 000	160 000	74
DELPHI	MISSISSINewa	IND	5 000	15 000	84
MISSISSINewa RES	SALAMONIE	IND	6 000	19 000	82
SALAMONIE			396 000	1 494 000	
GREEN	GREEN	KY	30 000	150 000	49
MINING CITY	BARREN	KY	50 000	105 000	130
BARREN NO 2	NOLIN	KY	22 000	59 000	133
NOLIN RIVER RES			102 000	314 000	
OHIO MAIN STREAM	OHIO	IND	45 000	165 000	-
NEWBURGH	OHIO	IND-KY	250 000	1 434 000	37
OWENSBORO	OHIO	IND	80 000	445 000	26
CANNELTON			375 000	2 044 000	
SALT	SALT	KY	4 900	30 300	70
ROLLING FORK RES			4 900	30 300	
OHIO MAIN STREAM	OHIO	IND-KY	120 000	704 000	37
A OHIO FALLS			120 000	704 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
KENTUCKY					
LOCK NO 3	KENTUCKY	KY	9 400	53 000	25
JESSAMINE	KENTUCKY	KY	13 900	73 000	86
BOONEVILLE	S FK KENTUCKY	KY	7 300	42 000	140
FINCASTLE RES	N FK KENTUCKY	KY	14 400	45 000	70
BUCKHORN RES	M FK KENTUCKY	KY	16 100	32 000	106
			61 100	245 000	
OHIO MAIN STREAM MARKLAND	OHIO	IND	81 000	448 000	35
			81 000	448 000	
LICKING					
POOLS CREEK	LICKING	KY	30 000	79 000	50
BOSTON	LICKING	KY	22 500	56 000	40
FALMOUTH	LICKING	KY	180 000	255 000	137
CAVE RUN	LICKING	KY	40 000	57 000	110
			272 500	447 000	
LITTLE MIAMI					
EAST FORK	E FK LITTLE MIAMI	OHIO	10 000	32 000	170
OREGONIA	LIUTLE MIAMI	OHIO	5 000	15 000	55
CAESER CREEK	CAESER CR	OHIO	50 000	80 000	135
			65 000	127 000	
OHIO MAIN STREAM NEW RICHMOND GREENUP	OHIO	OHIO-KY	200 000	976 000	33
	OHIO	OHIO-KY	60 000	330 000	27
			260 000	1 306 000	
BIG SANDY TOWERS	RUSSELL FK	KY	50 000	140 000	420
			50 000	140 000	
OHIO MAIN STREAM GALLIPOLIS	OHIO	OHIO-W VA	80 000	457 000	23
			80 000	457 000	
KANAWHA					
SWISS	GAULEY	W VA	20 000	135 000	100
CARNIFEX	GAULEY	W VA	160 000	680 000	500
MEADOW RIVER	MEADOW	W VA	70 000	250 000	680
SUMMERSVILLE	GAULEY	W VA	110 000	435 000	481
GAULEY MILLS	GAULEY	W VA	40 000	110 000	400
THURMOND	NEW	W VA	160 000	1 100 000	240
STRETCHER NECK	NEW	W VA	100 000	700 000	145
SANDSTONE	NEW	W VA	150 000	735 000	170
BLUESTONE	NEW	W VA	180 000	405 000	125
R RADFORD	NEW	VA	165 000	560 000	328
FOSTER FALLS	NEW	VA	20 000	140 000	50
R BUCK BYLLESBY	NEW	VA	0	95 000	140
R FRIES JUNCTION	NEW	VA	12 000	89 000	60
MOORES FERRY	NEW	VA	40 000	280 000	195
HALSEY	NEW	N C	25 000	90 000	164
			1 252 000	5 804 000	
OHIO MAIN STREAM RACINE	OHIO	OHIO-W VA	120 000	700 000	47
WILLOW ISLAND	OHIO	OHIO-W VA	20 000	120 000	19
OPOSSUM CREEK	OHIO	OHIO-W VA	18 000	100 000	17
PIKE ISLAND	OHIO	OHIO-W VA	32 000	200 000	23
NEW CUMBERLAND	OHIO	OHIO-W VA	24 000	160 000	20
			214 000	1 280 000	
BEAVER					
DAM NO 1	CONNOQUENESSING	PA	45 000	59 000	95
DAM NO 2	SLIPPERY ROCK	PA	13 000	20 000	70
DAM NO 3	SLIPPERY ROCK	PA	25 000	35 000	120
DAM NO 4	SLIPPERY ROCK	PA	17 000	26 000	90
			100 000	140 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
OHIO MAIN STREAM EMSWORTH		OHIO	PA	15 000 15 000	87 000 87 000	18
MONONGAHELA						
DAM C		YOUGHIOGHENY	PA	15 000	49 300	50
DAM B		YOUGHIOGHENY	PA	25 000	80 200	85
DAM A		YOUGHIOGHENY	PA	25 000	80 200	85
CONFLUENCE		YOUGHIOGHENY	PA	24 000	76 300	126
SANG RUN		YOUGHIOGHENY	MD	48 000	153 000	560
SWALLOW FALLS		YOUGHIOGHENY	MD	23 000	73 000	350
NO 18		CHEAT	W VA	50 000	104 000	70
NO 17		CHEAT	W VA	50 000	100 000	565
NO 15		CHEAT	W VA	65 000	139 000	110
NO 14		CHEAT	W VA	65 000	139 000	110
NO 13		CHEAT	W VA	90 000	234 000	170
NO 12		CHEAT	W VA	110 000	239 000	265
NO 11		HORSESHOE RUN	W VA	60 000	118 000	795
NO 10		BLACKWATER	W VA	40 000	82 000	665
NO 4A		SHAVERS FK	W VA	40 000	76 000	260
NO 3		SHAVERS FK	W VA	70 000	131 000	655
TYGART		TYGART	W VA	40 000	173 000	170
LAUREL		TYGART	W VA	70 000	197 000	480
				910 000	2 244 000	
ALLEGHENY						
FOXBURG		CLARION	PA	130 000	182 000	150
A	PINEY	CLARION	PA	9 600	0	83
	MILL CREEK	CLARION	PA	110 000	175 000	225
	ALLEGHENY RES	ALLEGHENY	PA	46 500	200 000	123
				296 100	557 000	
<u>OHIO RIVER TOTAL</u>				<u>6 520 300</u>	<u>23 432 700</u>	
<u>GREAT LAKES-ST LAWRENCE</u>						
<u>ST LAWRENCE RIVER</u>						
CLYDE RIVER						
SALEM POND		CLYDE	VT	3 000	8 000	85
R	PENSIONER POND	CLYDE	VT	3 900	6 000	182
				6 900	14 000	
MISSISQUOI						
R	HIGHGATE FALLS	MISSISQUOI	VT	4 800	20 000	76
	HIGHGATE	MISSISQUOI	VT	7 000	26 000	42
R	SHELDON SPRINGS	MISSISQUOI	VT	6 000	39 000	106
R	ENOSBURG FALLS	MISSISQUOI	VT	1 600	7 000	20
R	EAST RICHFORD	MISSISQUOI	VT	3 000	10 000	37
	JAY BRANCH	JAY BR	VT	6 700	17 000	166
				29 100	119 000	
LAMOILLE						
A	PETERSON	LAMOILLE	VT	2 500	5 000	52
	MILTON	LAMOILLE	VT	10 000	22 000	100
A	CLARKS FALLS	LAMOILLE	VT	4 000	8 000	42
A	EAST GEORGIA	LAMOILLE	VT	6 000	23 000	45
	FAIRFAX	LAMOILLE	VT	2 600	8 000	86
	GARFIELD	GREEN	VT	4 500	4 000	486
				29 600	70 000	
WINOOSKI						
R	BURLINGTON	WINOOSKI	VT	6 000	30 000	54
R	WINOOSKI GORGE 18	WINOOSKI	VT	6 000	15 000	43
A	ESSEX NO 19	WINOOSKI	VT	1 300	4 000	65
	HUNTINGTON	HUNTINGTON	VT	4 500	13 000	283
	BOLTON GORGE	WINOOSKI	VT	6 500	31 000	62
	MORETOWN	MAD	VT	2 700	9 000	91
R	WRIGHTSVILLE	NORTH BR	VT	4 000	7 000	158
	EAST BARRE	JAIL BR	VT	3 000	10 000	500
	MONTPELIER	WINOOSKI	VT	3 400	14 000	105
				37 400	133 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
R	OTTER CREEK					
A	VERGENNES	OTTER CR	VT	3 400	15 000	37
A	WEYBRIDGE	OTTER CR	VT	3 500	16 000	32
R	HUNTINGTON FALLS	OTTER CR	VT	15 000	47 000	135
	NEW HAVEN MILLS	NEW HAVEN	VT	2 300	5 000	90
A	LOWER MIDDLEBURY	OTTER CR	VT	1 100	6 000	30
A	UPPER MIDDLEBURY	OTTER CR	VT	2 800	10 000	23
	RIPTON	MIDDLEBURY	VT	4 000	18 000	630
A	PROCTOR	OTTER CR	VT	4 000	14 000	117
	TINMOUTH	CLARENDON	VT	4 000	8 000	510
				40 100	139 000	
R	POULTNEY					
	CARVER FALLS	POULTNEY	N Y	3 600	13 000	160
				3 600	13 000	
A	AUSABLE					
	RAINBOW FALLS	AUSABLE	N Y	1 400	7 000	92
	ALICE FALLS	AUSABLE	N Y	4 000	15 000	48
R	KEESEVILLE	AUSABLE	N Y	4 300	17 600	63
	CLINTONVILLE	AUSABLE	N Y	2 800	8 800	40
R	ROME	W BR AUSABLE	N Y	14 200	46 300	231
	WILMINGTON	W BR AUSABLE	N Y	2 400	10 000	144
	CHERRY PATCH	W BR AUSABLE	N Y	30 000	60 000	705
				59 100	164 700	
A	SARANAC					
	KENT FALLS	SARANAC	N Y	12 000	22 000	162
A	MILL C	SARANAC	N Y	4 700	10 000	66
A	CADYVILLE	SARANAC	N Y	5 200	12 000	77
A	HIGH FALLS	SARANAC	N Y	14 000	27 000	272
	TEFT POND	SARANAC	N Y	26 000	58 000	238
R	UNION FALLS	SARANAC	N Y	6 300	11 000	112
				68 200	140 000	
R	CHATEAUGAY					
	CHATEAUGAY CHASM	CHATEAUGAY	N Y	14 500	24 000	280
	CHATEAUGAY MILL	CHATEAUGAY	N Y	7 600	15 000	150
	SOUTH CHATEAUGAY	CHATEAUGAY	N Y	11 900	23 000	230
	BRAINARDSVILLE	CHATEAUGAY	N Y	6 300	12 000	125
				40 300	74 000	
R	SALMON					
	MACOMB	SALMON	N Y	7 800	42 000	300
R	TITUSVILLE	SALMON	N Y	22 700	22 000	380
				30 500	64 000	
R	ST REGIS					
	BRASHER CENTER	ST REGIS	N Y	4 300	22 000	32
R	LOWER PARISHVILLE	W BR ST REGIS	N Y	9 000	15 000	144
	UPPER PARISHVILLE	W BR ST REGIS	N Y	9 000	23 000	112
	SYLVAN FALLS	W BR ST REGIS	N Y	16 300	41 000	220
	FIVE MILE	W BR ST REGIS	N Y	8 100	21 000	180
	FORT JACKSON	E BR ST REGIS	N Y	25 500	71 000	240
	NICHOLVILLE	E BR ST REGIS	N Y	26 900	71 000	260
	ST REGIS FALLS	E BR ST REGIS	N Y	38 700	98 000	440
				137 800	362 000	
A	RAQUETTE					
	SUGAR ISLAND	RAQUETTE	N Y	20 800	29 000	63
A	HANNAWA	RAQUETTE	N Y	25 200	30 000	79
A	COLTON	RAQUETTE	N Y	87 400	108 000	283
A	HIGLEY FALLS	RAQUETTE	N Y	12 100	13 000	42
	MOOSEHEAD RAPIDS	RAQUETTE	N Y	29 000	66 000	85
A	PIERCEFIELD	RAQUETTE	N Y	9 000	12 000	35
				183 500	258 000	
R	GRASS					
	PYRITES	GRASS	N Y	13 300	36 000	130
	JACKSON FALLS	GRASS	N Y	7 900	24 000	70
	CLARE	N BR GRASS	N Y	25 700	67 000	260
	CLARKSBORO	S BR GRASS	N Y	11 600	24 000	200
	RAINBOW FALLS	S BR GRASS	N Y	11 700	25 000	200
	COPPER ROCKS FLS	S BR GRASS	N Y	7 000	13 000	120
				77 200	189 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
R	OSWEGATCHIE					
	ELMDALE	OSWEGATCHIE	N Y	4 700	24 000	30
	WEGATCHIE	OSWEGATCHIE	N Y	7 000	36 500	50
	HAILESBOBO	OSWEGATCHIE	N Y	21 000	96 000	150
	EMERYVILLE	OSWEGATCHIE	N Y	7 700	34 000	60
	COTTON RAPIDS	E BR OSWEGATCHIE	N Y	9 200	32 000	190
	MADISON CHUTE	E BR OSWEGATCHIE	N Y	6 400	29 000	102
	NEWTON FALLS	E BR OSWEGATCHIE	N Y	4 400	5 000	100
				60 400	256 500	
<u>ST LAWRENCE RIVER TOTAL</u>				<u>803 700</u>	<u>1 996 200</u>	
<u>LAKE ONTARIO</u>						
R	BLACK					
	GLEN PARK	BLACK	N Y	18 400	121 000	78
	FELTS MILLS	BLACK	N Y	10 000	85 000	44
	LYONS FALLS	BLACK	N Y	11 100	64 000	67
	SHUETOWN	MOOSE	N Y	30 500	119 000	220
	FOWLERSVILLE	MOOSE	N Y	30 100	114 000	195
	MOOSE RIVER	MOOSE	N Y	18 800	66 000	140
				118 900	569 000	
A	SALMON					
	PULASKI	SALMON	N Y	9 900	24 000	85
	FOX BRIDGE	SALMON	N Y	15 000	37 000	115
	CENTERVILLE	SALMON	N Y	9 100	22 000	70
	ALTMAR	SALMON	N Y	8 600	21 000	65
	LIGHTHOUSE HILL	SALMON	N Y	3 800	0	64
				46 400	104 000	
A	OSWEGO					
	HIGH DAM	OSWEGO	N Y	1 400	4 000	19
				1 400	4 000	
R	GENESEE					
	ROCHESTER UPR FLS	GENESEE	N Y	7 400	85 000	120
	POAGS HOLE	CANASERAGA CR	N Y	4 000	21 000	210
	CANASERAGA	CANASERAGA CR	N Y	8 000	28 000	390
	MT MORRIS	GENESEE	N Y	39 700	92 000	122
	PORTAGE	GENESEE	N Y	82 000	230 000	410
				141 100	456 000	
A	OAK ORCHARD CREEK					
	WATERPORT	OAK ORCHARD CR	N Y	2 400	0	78
				2 400		
R	NIAGARA					
	NIAGARA FALLS 2/	NIAGARA	N Y	2 190 000	13 000 000	310
				2 190 000	13 000 000	
<u>LAKE ONTARIO TOTAL</u>				<u>2 500 200</u>	<u>14 133 000</u>	
<u>LAKE ERIE</u>						
	CHATAUQUA CREEK					
	CHATAUQUA CREEK	CHATAUQUA CR	N Y	48 000	108 000	797
				48 000	108 000	
<u>LAKE ERIE TOTAL</u>				<u>48 000</u>	<u>108 000</u>	
<u>LAKE HURON</u>						
	AU SABLE					
	OSCODA	AU SABLE	MICH	4 500	14 000	16
	THOMPSON	AU SABLE	MICH	12 000	36 500	48
	UPPER FLAT ROCK	AU SABLE	MICH	25 000	68 000	107
	STATE ROAD	AU SABLE	MICH	4 700	14 400	23
	BAKER BRIDGE	AU SABLE	MICH	5 500	13 300	32
	EATON	AU SABLE	MICH	5 000	10 700	48
				56 700	156 900	
<u>LAKE HURON TOTAL</u>				<u>56 700</u>	<u>156 900</u>	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
<u>LAKE MICHIGAN</u>						
MANISTEE						
ANDERSON	MAINSTEE	MICH		10 000	24 700	19
HIGH BRIDGE	MANISTEE	MICH		6 800	16 300	15
WILSON	S BR MANISTEE	MICH		8 200	20 000	110
LOWER SIBLEY	MANISTEE	MICH		17 000	40 800	55
SHERMAN	MANISTEE	MICH		16 000	38 000	61
MANTON	MANISTEE	MICH		9 500	22 700	45
WALTON	MANISTEE	MICH		5 600	13 300	31
SANDS	MANISTEE	MICH		10 000	23 500	66
DUTCH JOHN	MANISTEE	MICH		5 000	12 000	40
ROLLWAY	MANISTEE	MICH		1 500	3 800	26
				89 600	215 100	
MUSKEGON						
BRIDGETON	MUSKEGON	MICH		6 000	25 700	22
BACON	MUSKEGON	MICH		15 000	36 000	31
PARIS	MUSKEGON	MICH		2 700	6 800	10
HERSEY	MUSKEGON	MICH		4 800	12 000	18
EVART	MUSKEGON	MICH		2 500	6 400	11
				31 000	86 900	
GRAND						
GRAND RAPIDS	GRAND	MICH		6 700	30 000	17
SARANAC	GRAND	MICH		3 700	16 700	16
R PORTLAND	GRAND	MICH		2 400	5 400	20
MC GEE	GRAND	MICH		3 300	14 200	32
DANBY	GRAND	MICH		2 600	12 100	32
				18 700	78 400	
KALAMAZOO						
WILLIAMS BRIDGE	KALAMAZOO	MICH		2 200	11 600	18
				2 200	11 600	
ST JOSEPH						
KINGS LANDING	ST JOSEPH	MICH		7 200	29 400	18
STATE LINE	ST JOSEPH	IND		4 700	21 000	15
BRISTOL	ST JOSEPH	IND		3 300	15 000	16
				15 200	65 400	
FOX						
LEEMAN	WOLF	WIS		5 000	12 400	20
KESHENA FALLS	WOLF	WIS		6 100	16 700	37
BIG EDDY	WOLF	WIS		4 000	10 700	31
SMOKY FALLS	WOLF	WIS		2 800	7 400	22
DALLES	WOLF	WIS		10 200	27 200	83
SHOTGUN RAPIDS	WOLF	WIS		5 800	15 300	56
HANSON RIPS	WOLF	WIS		2 000	10 200	39
GARDNER	WOLF	WIS		3 000	15 600	60
WHITE LAKE CREEK	WOLF	WIS		2 300	12 400	49
LANGLADE	WOLF	WIS		1 900	10 000	40
SHERRY RAPIDS	WOLF	WIS		2 100	11 700	47
				45 200	149 600	
OCONTO						
LOWER FALLS	OCONTO	WIS		2 600	13 000	40
FLAT ROCK	OCONTO	WIS		1 900	9 600	34
				4 500	22 600	
PESHTIGO						
CRIVITZ	PESHTIGO	WIS		2 000	7 100	18
SPRING RAPIDS	PESHTIGO	WIS		3 700	16 600	46
ROARING RAPIDS	PESHTIGO	WIS		9 700	49 400	200
STRONG FALLS	PESHTIGO	WIS		1 800	5 600	44
				17 200	78 700	
MENOMINEE						
CHAPPIE RAPIDS	MENOMINEE	MICH		5 200	24 000	16
R MENOMINEE UPPER	MENOMINEE	WIS		2 500	4 000	18
PEMENE FALLS	MENOMINEE	MICH		10 000	40 000	32
PEMENE DAM	MENOMINEE	MICH		7 000	33 000	28
SAND PORTAGE	MENOMINEE	MICH-WISC		9 200	46 000	43
A QUINNESEC	MENOMINEE	MICH		8 000	32 000	92
LITTLE BULL RPDS	MENOMINEE	MICH-WIS		3 700	24 000	25

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
A	MENOMINEE CONTD					
	NIAGARA	MENOMINEE	WIS	5 400	15 000	67
	LASALLE	PINE	WIS	2 100	12 000	50
				53 100	230 000	
	<u>LAKE MICHIGAN TOTAL</u>			<u>276 700</u>	<u>938 300</u>	
	<u>LAKE SUPERIOR</u>					
	TAHQUAMENON					
	TAHQUAMENON FALLS	TAHQUAMENON	MICH	4 500	30 000	93
				4 500	30 000	
	STURGEON					
	LOWER PLANT	STURGEON	MICH	16 300	19 100	90
	BIG FALLS	STURGEON	MICH	17 600	23 800	110
	TIBBETS FALLS	STURGEON	MICH	12 000	12 200	112
				45 900	55 100	
	ONTONAGON					
	GRAND RAPIDS	ONTONAGON	MICH	4 800	32 000	55
	FORKS	ONTONAGON	MICH	4 200	28 000	40
	HOOPER	W BR ONTONAGON	MICH	6 000	23 000	70
	SOUTH BRANCH	S BR ONTONAGON	MICH	3 700	11 000	70
	NORWICH	W BR ONTONAGON	MICH	2 600	8 000	80
	AGATE FALLS	M BR ONTONAGON	MICH	3 000	13 000	125
	BOND FALLS	M BR ONTONAGON	MICH	2 700	11 400	120
				27 000	126 400	
	MONTREAL					
A	SUPERIOR FALLS	MONTREAL	MICH	1 900	9 000	137
	SITE NO 2	MONTREAL	MICH	2 700	14 000	115
R	SAXON FALLS	MONTREAL	MICH	2 300	10 000	145
	SITE NO 4	MONTREAL	MICH	1 700	7 800	70
	SITE NO 6	E BR MONTREAL	WIS	3 100	15 200	284
				11 700	56 000	
	BAD					
	BAKER	BAD	WIS	4 900	27 000	104
	POTATOE	POTATOE	WIS	2 900	16 000	225
				7 800	43 000	
	BRULE					
	BRULE RIVER	BRULE	WIS	2 300	16 000	170
				2 300	16 000	
	ST LOUIS					
	GRAND RAPIDS	ST LOUIS	MINN	10 000	57 000	66
				10 000	57 000	
	GOCSEBERRY					
	GOOSEBERRY	GOOSEBERRY	MINN	1 200	4 000	257
				1 200	4 000	
	BEAVER BAY					
	BEAVER BAY	BEAVER BAY	MINN	2 500	15 000	298
				2 500	15 000	
	BAPTISM					
	BAPTISM	BAPTISM	MINN	11 400	60 000	598
				11 400	60 000	
	POPLAR					
	LOWER POPLAR	POPLAR	MINN	4 500	26 000	278
	UPPER POPLAR	POPLAR	MINN	7 400	38 000	460
				11 900	64 000	
	CASCADE					
	CASCADE	CASCADE	MINN	5 600	26 800	663
				5 600	26 800	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
DEVIL TRACK LOWER	DEVIL TRACK	MINN	2 800	13 200	395
UPPER	DEVIL TRACK	MINN	2 700	11 500	395
			5 500	24 700	
BRULE					
BRULE NO 5	BRULE	MINN	6 200	33 800	270
BRULE NO 4	BRULE	MINN	7 200	39 300	320
BRULE NO 3	BRULE	MINN	5 100	28 400	230
BRULE NO 2	BRULE	MINN	1 800	7 900	60
			20 300	109 400	
PIGEON					
HIGH FALLS	PIGEON	MINN	10 600	45 300	225
HORN RAPIDS	PIGEON	MINN	4 600	19 800	75
TUNNEL	PIGEON	MINN	4 500	19 700	93
CASCADES	PIGEON	MINN	3 500	15 800	225
PARTRIDGE FALLS	PIGEON	MINN	1 700	6 500	110
			24 900	107 100	
<u>LAKE SUPERIOR TOTAL</u>			<u>192 500</u>	<u>794 500</u>	
<u>GREAT LAKES-ST LAWRENCE TOTAL</u>			<u>3 877 800</u>	<u>18 126 900</u>	
<u>HUDSON BAY</u>					
RAINY					
BIG FORK NO 1	BIG FK	MINN	1 400	5 700	26
BIG FORK NO 2	BIG FK	MINN	1 600	6 500	30
LITTLE FORK NO 1	LITTLE FK	MINN	1 400	5 700	24
LITTLE FORK NO 2	LITTLE FK	MINN	2 400	10 300	42
LITTLE FORK NO 3	LITTLE FK	MINN	1 500	6 100	35
LITTLE FORK NO 4	LITTLE FK	MINN	1 600	7 100	50
VERMILION NO 1	VERMILION	MINN	3 000	14 700	87
VERMILION NO 2	VERMILION	MINN	2 800	13 100	98
BIRCH LAKE	KAWISHIWI	MINN	2 100	12 500	42
			17 800	81 700	
<u>HUDSON BAY TOTAL</u>			<u>17 800</u>	<u>81 700</u>	
<u>UPPER MISSISSIPPI RIVER</u>					
ILLINOIS					
STARVED ROCK	ILLINOIS	ILL	9 000	59 500	18
WEDRON	FOX	ILL	8 000	48 000	68
MARSEILLES	ILLINOIS	ILL	18 000	97 900	24
DRESDEN ISLAND	ILLINOIS	ILL	9 600	62 200	20
BRANDON ROAD	DES PLAINES	ILL	11 300	69 700	34
OLD STATE DAM	KANKAKEE	ILL	6 600	30 800	20
WILMINGTON	KANKAKEE	ILL	4 300	21 200	13
CUSTER PARK	KANKAKEE	ILL	15 000	85 000	58
AROMA PARK	KANKAKEE	ILL	2 900	15 900	15
			84 700	490 200	
CUIVRE					
CHAIN OF ROCKS	CUIVRE	MO	4 200	10 000	41
			4 200	10 000	
SALT					
JOANNA	SALT	MO	35 000	86 800	94
			35 000	86 800	
DES MOINES					
BELFAST	DES MOINES	IOWA	17 200	81 000	46
BENTONSPORT	DES MOINES	IOWA	8 100	34 000	22
KILBOURNE	DES MOINES	IOWA	7 200	30 000	20
OTTUMWA	DES MOINES	IOWA	1 900	4 000	14
RED ROCK	DES MOINES	IOWA	17 200	51 800	53
DES MOINES	DES MOINES	IOWA	1 400	5 000	9
ADEL	RACCOON	IOWA	1 500	6 000	25
RIPPEY	RACCOON	IOWA	1 300	6 000	24
JEFFERSON	RACCOON	IOWA	1 200	5 000	28
LINNBURG	DES MOINES	IOWA	4 200	16 000	31

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
DES MOINES CONTD					
KALO	DES MOINES	IOWA	2 200	8 000	22
FORT DODGE	DES MOINES	IOWA	2 400	9 000	28
BADGER	DES MOINES	IOWA	2 100	8 000	26
			67 900	263 800	
MISSISSIPPI MAIN STREAM					
A KEOKUK	MISSISSIPPI	IOWA	30 400	0	36
			30 400	0	
SKUNK					
AUGUSTA	SKUNK	IOWA	2 400	8 000	16
LOWELL	SKUNK	IOWA	2 300	8 000	16
PELLA	SKUNK	IOWA	2 100	12 000	42
			6 800	28 000	
IOWA					
MUSCATINE 2/	GENEVA CR	IOWA	60 000	200 000	95
ROCHESTER	CEDAR	IOWA	28 000	85 000	55
CEDAR RAPIDS	CEDAR	IOWA	9 600	43 900	45
PROJECT NO 13 A	CEDAR	IOWA	11 200	40 000	38
FLOYD	CEDAR	IOWA	1 900	8 000	46
R CORALVILLE	IOWA	IOWA	2 600	15 800	38
			113 300	392 700	
ROCK					
BARSTOW	ROCK	ILL	12 500	61 100	28
LYNDON	ROCK	ILL	4 100	19 400	10
ABOVE LYNDON	ROCK	ILL	3 700	16 700	9
COMO	ROCK	ILL	3 700	16 700	9
GRAND DETOUR	ROCK	ILL	9 300	52 100	24
BYRON	ROCK	ILL	6 800	36 900	19
LATHAM PARK	ROCK	ILL	3 000	15 000	11
ROCKTON	PECATONICA	ILL	2 900	17 500	25
			46 000	235 400	
MISSISSIPPI MAIN STREAM					
A ROCK ISLAND	MISSISSIPPI	ILL	10 100	80 800	13
			10 100	80 800	
WAPSIPINICON					
BIG ROCK	WAPSIPINICON	IOWA	2 200	5 900	30
			2 200	5 900	
MAQUOKETA					
SPRAGUEVILLE	MAQUOKETA	IOWA	3 200	12 100	43
MAQUOKETA	MAQUOKETA	IOWA	1 500	7 500	20
CRABB HILL	NORTH FK	IOWA	1 300	7 500	75
LAKEHURST	MAQUOKETA	IOWA	1 600	8 500	45
			7 600	35 600	
TURKEY					
MEDERVILLE	VOLGA	IOWA	1 200	5 900	60
MOTOR	TURKEY	IOWA	1 300	5 900	35
			2 500	11 800	
WISCONSIN					
SITE NO 14	WISCONSIN	WIS	14 700	95 500	25
BOSCOBEL	WISCONSIN	WIS	16 500	107 000	29
MUSCODA	WISCONSIN	WIS	10 400	65 400	20
SITE NO 10	WISCONSIN	WIS	14 200	90 400	28
HONEY CREEK	WISCONSIN	WIS	5 100	31 600	12
TRAPPE RAPIDS	WISCONSIN	WIS	5 600	27 900	24
BILL CROSS	WISCONSIN	WIS	3 600	21 000	22
NIGGER ISLAND	WIVCONSIN	WIS	4 200	24 600	43
			74 300	463 400	
UPPER IOWA					
UPPER IOWA	UPPER IOWA	IOWA	2 700	12 600	69
			2 700	12 600	
ROOT					
ROOT NO 4	ROOT	MINN.	1 400	6 500	27
ROOT NO 2	ROOT	MINN	1 900	8 800	54
			3 300	15 300	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
BLACK					
BLACK RIVER NO 1	BLACK	WIS	7 600	26 100	40
BLACK RIVER NO 2	BLACK	WIS	2 300	7 600	20
BLACK RIVER NO 3	BLACK	WIS	3 000	10 300	40
LEVIS ISLAND	BLACK	WIS	2 500	14 000	30
			15 400	58 000	
CHIPPEWA					
DURAND MILE 4.2	CHIPPEWA	WIS	45 000	114 000	32
DURAND MILE 18.5	CHIPPEWA	WIS	45 000	114 000	32
DURAND MILE 29.6	CHIPPEWA	WIS	45 000	112 000	38
DUNNVILLE	RED CEDAR	WIS	3 700	16 000	30
VARNEY CREEK	RED CEDAR	WIS	3 400	15 000	30
SITE NO 10	CHIPPEWA	WIS	5 200	23 700	13
SITE NO 21	FLAMBEAU	WIS	2 700	13 100	17
SITE NO 24	FLAMBEAU	WIS	3 900	20 300	25
SITE NO 25	FLAMBEAU	WIS	3 400	17 500	22
SITE NO 26	FLAMBEAU	WIS	3 100	15 800	20
SITE NO 27	FLAMBEAU	WIS	1 900	11 200	22
SITE NO 28	FLAMBEAU	WIS	1 600	9 000	19
SITE NO 29	FLAMBEAU	WIS	1 400	8 000	20
GRAND RAPIDS	CHIPPEWA	WIS	5 600	22 600	35
MURRY	CHIPPEWA	WIS	5 300	21 400	35
BRUNET	CHIPPEWA	WIS	4 100	16 000	28
SITE NO 4	CHIPPEWA	WIS	2 200	8 800	19
RADISSON	CHIPPEWA	WIS	4 300	17 500	40
SITE NO 2	CHIPPEWA	WIS	1 800	6 900	19
LOWERS	CHIPPEWA	WIS	2 900	11 700	29
			191 500	594 500	
ST CROIX					
STILLWATER	ST CROIX	WIS-MINN	4 200	25 200	20
NEVERS	ST CROIX	WIS-MINN	20 000	85 200	45
KETTLE RIVER RPDS	ST CROIX	WIS-MINN	27 500	125 000	78
SWISS	ST CROIX	WIS	2 700	17 900	35
NAMAKAGON	NAMAKAGON	WIS	1 500	7 000	25
DEAL	NAMAKAGON	WIS	3 000	9 100	37
			58 900	269 400	
MINNESOTA					
DELHI	MINNESOTA	MINN	2 900	17 400	32
			2 900	17 400	
MISSISSIPPI MAIN STREAM					
DAM NO 26	MISSISSIPPI	MINN	7 300	33 200	16
DAM NO 25	MISSISSIPPI	MINN	5 700	25 400	14
DAM NO 22	MISSISSIPPI	MINN	11 200	58 500	29
DAM NO 21	MISSISSIPPI	MINN	11 200	60 100	30
DAM NO 20	MISSISSIPPI	MINN	11 200	59 000	29
DAM NO 19	MISSISSIPPI	MINN	3 300	14 400	11
DAM NO 17	MISSISSIPPI	MINN	6 000	30 800	19
A BLANCHARD	MISSISSIPPI	MINN	6 000	-	45
DAM NO 13	MISSISSIPPI	MINN	5 700	27 800	19
DAM NO 11	MISSISSIPPI	MINN	4 800	22 300	16
R BRAINARD	MISSISSIPPI	MINN	8 700	45 600	38
DAM NO 4A	MISSISSIPPI	MINN	2 100	7 800	11
DAM NO 2	MISSISSIPPI	MINN	4 500	21 500	24
			87 700	406 400	
UPPER MISSISSIPPI RIVER TOTAL			847 400	3 478 000	
MISSOURI RIVER					
MISSOURI MAIN STREAM					
B KANS CTY TO MOUTH	MISSOURI	MO	1 200 000	6 500 000	345
			1 200 000	6 500 000	
GASCONADE					
RICH FOUNTAIN	GASCONADE	MO	35 000	96 000	78
ARLINGTON	GASCONADE	MO	30 000	119 000	101
RICHLAND	GASCONADE	MO	25 000	49 000	97
			90 000	264 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
OSAGE					
LOCK NO 2	OSAGE	MO	20 000	161 000	25
ST ELIZABETH	BIG TAVERN CR	MO	3 000	10 500	63
GRAND GLAIZE	GRAND GLAIZE	MO	4 000	18 500	91
NIANGUA	NIANGUA	MO	9 700	31 900	98
SULPHUR SPRINGS	LITTLE NIANGUA	MO	3 400	11 000	69
KASINGER BLUFF	OSAGE	MO	2 500	18 000	14
POMME DE TERRE	POMME DE TERRE	MO	16 800	26 000	80
STOCKTON	SAC	MO	12 700	32 800	70
			72 100	309 700	
GRAND CHILLICOTHE	GRAND	MO	18 000	95 000	50
			18 000	95 000	
KANSAS					
EDWARDSVILLE	KANSAS	KANS	25 000	85 000	35
EUDORA	KANSAS	KANS	25 000	90 000	40
LECOMPTON	KANSAS	KANS	15 000	60 000	30
TECUMSEH	KANSAS	KANS	15 000	54 000	30
TOPEKA	KANSAS	KANS	20 000	78 000	45
TUTTLE CREEK	BIG BLUE	KANS	20 000	55 000	81
HARLAN COUNTY	REPUBLICAN	NEBR	1 200	4 000	63
			121 200	426 000	
MISSOURI MAIN. STREAM					
B RULO TO KANS CITY	MISSOURI	MO-KANS	340 000	2 000 000	120
B NEBR CITY TO RULO	MISSOURI	MO-NEBR	100 000	600 000	40
			440 000	2 600 000	
PLATTE					
SOUTH BEND	PLATTE	NEBR	27 000	112 000	34
NICKERSON	MAPLE CR	NEBR	5 600	23 000	70
MAPLE CREEK	MAPLE CR	NEBR	5 300	22 000	65
WATERLOO	PLATTE	NEBR	11 000	129 000	48
ROGERS	PLATTE	NEBR	23 100	207 000	100
CUSHING	NORTH LOUP	NEBR	6 000	19 000	88
DAVIS CREEK NO 2	NORTH LOUP	NEBR	11 000	21 000	172
DAVIS CREEK NO 1	NORTH LOUP	NEBR	2 600	17 000	70
LEES PARK	MIDDLE LOUP	NEBR	6 100	29 500	144
LILLIAN	MIDDLE LOUP	NEBR	4 400	21 900	90
GEORGETOWN	DISMAL	NEBR	1 900	8 000	115
ASH CREEK	DISMAL	NEBR	2 000	11 000	150
A JOHNSON NO 2	PLATTE CANAL	NEBR	18 000	50 000	146
PLUM CREEK	PLUM CR	NEBR	24 000	31 000	138
SUTHERLAND	SOUTH PLATTE	NEBR	4 000	15 000	31
CANYON	CACHE LA POUDRE	COLO	19 800	117 000	645
ELKHORN	CACHE LA POUDRE	COLO	27 400	168 000	825
BEAVER	CACHE LA POUDRE	COLO	2 400	10 000	328
BENNETT CREEK	CACHE LA POUDRE	COLO	23 800	147 000	760
SHEEP CREEK	CACHE LA POUDRE	COLO	13 500	89 000	675
POUDRE	CACHE LA POUDRE	COLO	12 600	77 000	675
CASCADE	CACHE LA POUDRE	COLO	15 100	46 000	690
HALLIGAN	CACHE LA POUDRE	COLO	4 800	15 000	333
FALL RIVER	FALL	COLO	2 000	10 000	700
MORaine	BIG THOMPSON	COLO	3 400	17 000	450
COOK MOUNTAIN	NORTH ST VRAIN	COLO	21 000	64 000	760
BUCK GULCH	NORTH ST VRAIN	COLO	20 200	62 000	785
SMITY MOUNTAIN	SOUTH ST VRAIN	COLO	13 200	68 000	790
ELDORA	MIDDLE BOULDER	COLO	8 000	17 000	510
MIRAMONTE	SOUTH BOULDER	COLO	10 600	60 000	1 000
WONDERVU	SOUTH BOULDER	COLO	6 700	28 000	450
NEDERLAND 2	SOUTH BOULDER	COLO	2 600	11 000	175
NEDERLAND 1	SOUTH BOULDER	COLO	6 200	23 000	465
ELK	CLEAR CR	COLO	13 000	41 000	350
BIG HILL	CLEAR CR	COLO	18 600	75 000	650
EMPIRE	CLEAR CR	COLO	28 500	87 000	845
WEST EMPIRE	W FK CLEAR CR	COLO	2 900	8 000	400
CONE MOUNTAIN	W FK CLEAR CR	COLO	4 300	12 000	625
SILVER PLUME	CLEAR CR	COLO	4 700	15 000	845
CHERRY CREEK	CHERRY CR	COLO	2 500	6 500	88
CHATFIELD	SOUTH PLATTE	COLO	1 400	4 000	107
TURKSHED	SOUTH PLATTE	COLO	7 200	45 600	107
TWO FORKS	SOUTH PLATTE	COLO	116 000	207 000	450
RESORT CREEK	N FK SOUTH PLATTE	COLO	52 000	246 000	645

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
PLATTE CONTD						
	CROSSONS	N FK SOUTH PLATTE	COLO	26 000	194 000	511
	INSMONT	N FK SOUTH PLATTE	COLO	14 200	105 000	283
	SHAWNEE	N FK SOUTH PLATTE	COLO	11 400	74 300	225
	SINGLETON	N FK SOUTH PLATTE	COLO	19 000	135 000	373
	GRANT	N FK SOUTH PLATTE	COLO	20 000	128 000	379
	CHEESMAN	SOUTH PLATTE	COLO	5 900	25 000	377
	SIGNAL	SOUTH PLATTE	COLO	8 500	26 000	405
	BISON	TARRYALL CR	COLO	1 400	6 000	317
	TARRYALL	SOUTH PLATTE	COLO	5 300	19 000	300
	ELEVEN MILE	SOUTH PLATTE	COLO	3 200	10 000	284
	KINGSLEY	NORTH PLATTE	NEBR	22 500	95 000	140
	NORTH PORY	NORTH PLATTE	NEBR	10 000	49 000	260
A	NORTH PLATTE	NORTH PLATTE	COLO	26 100	50 000	218
	SYBILLE CREEK	LARAMIE	WYO	17 000	43 000	925
	DODGE CANYON	LARAMIE	WYO	7 500	20 000	370
A	GUERNSEY	NORTH PLATTE	WYO	10 000	31 000	80
	UPPER GLENDO	NORTH PLATTE	WYO	4 000	35 000	60
	POISON SPIDER	NORTH PLATTE	WYO	1 400	12 000	20
	BESSEMER BEND	NORTH PLATTE	WYO	14 000	72 000	135
	FREMONT CANYON	NORTH PLATTE	WYO	48 000	205 000	294
	LEWISTON	SWEETWATER	WYO	5 000	35 000	450
	PEDRO MOUNTAIN	NORTH PLATTE	WYO	36 000	81 000	120
A	SEMINOE	NORTH PLATTE	WYO	10 800	33 000	214
	FORT STEELE	NORTH PLATTE	WYO	13 000	32 000	60
	JACKS CREEK	NORTH PLATTE	WYO	26 000	64 000	120
	ENCAMPMENT	ENCAMPMENT	WYO	4 000	16 000	220
	HOG PARK	ENCAMPMENT	WYO	15 000	64 000	800
	BENNETT PEAK	NORTH PLATTE	WYO	15 300	69 000	105
	PARKVIEW	NORTH PLATTE	WYO	20 000	89 000	465
				1 036 900	4 309 800	
MISSOURI MAIN STREAM						
B	SIOUX C TO NEBR C	MISSOURI	IOWA-NEBR	400 000	2 200 000	195
B	YANKTN TO SIOUX C	MISSOURI	S DAK-NEBR	160 000	700 000	80
				560 000	2 900 000	
NIOBRARA						
	NIOBRARA	NIOBRARA	NEBR	17 800	78 000	130
	REDBIRD	NIOBRARA	NEBR	12 600	58 000	100
R	SPENCER	NIOBRARA	NEBR	16 900	90 000	160
	PHOENIX	NIOBRARA	NEBR	8 500	48 000	120
	PHOENIX	NIOBRARA	NEBR	9 400	48 000	100
	OTTER CREEK	NIOBRARA	NEBR	12 000	66 000	145
	ELK CREEK	NIOBRARA	NEBR	4 400	21 900	120
	LONG PINE	NIOBRARA	NEBR	21 000	46 000	150
	MEADOWVILLE	NIOBRARA	NEBR	9 100	42 600	82
	RESERVOIR NO 5	NIOBRARA	NEBR	5 400	28 000	75
	SPARKS	NIOBRARA	NEBR	5 400	21 000	80
R	THACHER	NIOBRARA	NEBR	6 700	27 000	106
	CROOKSON	NIOBRARA	NEBR	4 500	22 000	99
	KILGORE	NIOBRARA	NEBR	4 600	19 000	113
	RESERVOIR NO 4	NIOBRARA	NEBR	4 000	15 000	111
	ELI	NIOBRARA	NEBR	4 700	15 000	111
	RESERVOIR NO 3	NIOBRARA	NEBR	3 200	13 000	117
	RESERVOIR NO 2	NIOBRARA	NEBR	2 600	13 000	120
	RESERVOIR NO 1	NIOBRARA	NEBR	2 400	9 000	120
				154 500	680 500	
WHITE						
	RELANCE	WHITE	S DAK	4 500	6 200	87
				4 500	6 200	
MISSOURI MAIN STREAM						
	BIG BEND	MISSOURI	S DAK	819 000	1 022 000	80
	OAHE	MISSOURI	S DAK	595 000	3 135 000	203
	PONY HILLS	DIVERSION CANAL	S DAK	180 000	385 000	241
				1 594 000	4 542 000	
CHEYENNE						
	CHERRY CREEK	CHEYENNE	S DAK	14 000	48 600	90
	PEDRO	CHEYENNE	S DAK	13 000	45 500	90
	ANGOSTURA	S FK CHEYENNE	S DAK	10 000	33 100	148
	COAL MINE	S FK CHEYENNE	S DAK	6 000	15 800	91
				43 000	143 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CANNONBALL SOLE	CANNONBALL	N DAK	3 800 3 800	10 500 10 500	85
MISSOURI MAIN STREAM	MISSOURI	N DAK	100 000	474 000	43
A GARRISON	MISSOURI	N DAK	160 000 260 000	512 000 986 000	172
GARRISON CANAL	GARRISON CANAL	N DAK	50 000	202 000	-
LINCOLN VALLEY	GARRISON CANAL	N DAK	45 000 95 000	193 000 395 000	-
LONE TREE					
YELLOWSTONE	YELLOWSTONE	MONT	200 000	1 100 000	180
B INTAKE	YELLOWSTONE	MONT	900 000	4 800 000	1 250
BILLINGS TO GLDVE	POWDER	MONT	8 000	29 000	190
MOORHEAD	GOOSE CR	WYO	12 000	59 900	1 890
GOOSE CREEK RES	TONGUE	WYO	60 000	320 000	2 920
ROCKWOOD	TONGUE	WYO	25 000	92 000	1 200
SHERIDAN	TONGUE	WYO	3 000	11 200	440
NORTH FORK	BIG HORN	MONT	40 000	180 000	100
CUSTER	LITTLE HORN	MONT	15 000	70 000	740
LITTLE HORN	BIG HORN	MONT	200 000	818 000	463
YELLOW TAIL	BIG HORN	WYO	30 000	150 000	140
KANE	S FK SHOSHONE	WYO	45 000	230 000	850
ISHAWOOA	S FK SHOSHONE	WYO	25 000	135 000	800
SOUTH FORK	N FK SHOSHONE	WYO	65 000	330 000	850
WAPITI	BIG HORN	WYO	50 000	200 000	250
THERMOPOLIS	WIND	WYO	75 000	370 000	850
BULL LAKE	WIND	WYO	10 000	30 000	600
DU NOIR	CLARK FK	WYO	23 000	157 000	390
BALD RIDGE	SUNLIGHT CR	WYO	14 900	112 000	2 020
SUNLIGHT CREEK	CLARK FK	WYO	125 200	505 000	1 470
THIEF CREEK	BEAR TOOTH CR	WYO	12 000	65 000	2 920
BEAR TOOTH LAKE	CLARK FK	WYO	14 400	100 000	649
HUNTER MOUNTAIN	YELLOWSTONE	MONT	150 000	780 000	280
LAUREL	STILLWATER	MONT	40 000	190 000	1 000
STILLWATER	YELLOWSTONE	MONT	110 000	530 000	220
BENSON BLUFF	YELLOWSTONE	MONT	120 000	580 000	250
GREYCLIFF	BOULDER	MONT	40 000	220 000	900
BOULDER	BOULDER	MONT	10 000	60 000	500
NATURAL BRIDGE	YELLOWSTONE	MONT	80 000	380 000	190
BIG TIMBER	YELLOWSTONE	MONT	50 000	355 000	193
ABSAROKA	YELLOWSTONE	MONT	80 000	390 000	255
LOWER CANYON	MILL CR	MONT	15 000	70 000	1 000
MILL CREEK	YELLOWSTONE	MONT	80 000	380 000	230
CHICORY	YELLOWSTONE	MONT	50 000	205 000	200
YANKEE JIM			2 777 500	14 004 100	
MISSOURI MAIN STREAM	MISSOURI	MONT	18 000	113 000	30
A LITTLE PORCUPINE	MISSOURI	MONT	80 000	209 000	213
FORT PECK	MISSOURI	MONT	50 000	350 000	105
ROCKY POINT	MISSOURI	MONT	40 000	269 000	81
BEAR PAW	MISSOURI	MONT	107 000 295 000	509 000 1 450 000	198
ILLIAD					
MARIAS	MARIAS	MONT	1 600	3 000	30
KENIL	MARIAS	MONT	2 000 3 600	6 000 9 000	185
TIBER					
MISSOURI MAIN STREAM	MISSOURI	MONT	27 000	161 000	55
FORT BENTON	MISSOURI	MONT	60 000	374 000	130
A CARTER	MISSOURI	MONT	34 400 121 400	132 000 667 000	114
RAINBOW					
SUN	SUN CANAL	MONT	9 500	20 000	150
FAIRFIELD	SUN	MONT	11 000 20 500	41 000 61 000	162
GIBSON					

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NAME OF PROJECT OR SITE						
MISSOURI MAIN STREAM						
	ULM	MISSOURI	MONT	8 500	65 000	27
	HARDY	MISSOURI	MONT	19 000	134 000	67
	LOMBARD	MISSOURI	MONT	25 000	181 000	85
				52 500	380 000	
GALLATIN						
	PLANT NO 2	GALLATIN	MONT	3 400	21 000	70
	PLANT NO 1	GALLATIN	MONT	3 400	21 000	70
	LOWER BASIN	GALLATIN	MONT	14 000	66 000	236
				20 800	108 000	
MADISON						
R	ENNIS	MADISON	MONT	58 000	283 000	370
	HIPPE	MADISON	MONT	3 000	19 000	40
	SQUAW CREEK	MADISON	MONT	9 500	56 000	120
	LYON	MADISON	MONT	24 000	121 000	310
A	HEBGEN	MADISON	MONT	12 000	64 000	165
				106 500	543 000	
JEFFERSON						
	JEFFERSON CANYON	JEFFERSON	MONT	42 000	184 000	160
	REICHLE	BIG HOLE	MONT	25 000	110 000	155
	MELROSE	BIG HOLE	MONT	80 000	350 000	710
				147 000	644 000	
MISSOURI RIVER TOTAL				9 237 800	42 033 800	
LOWER MISSISSIPPI RIVER						
RED						
	FARMERVILLE	BAYDARBONNE	LA	2 500	9 800	41
	ALABAMA LANDING	OUACHITA	LA	40 000	160 000	30
	BENTON	SALINE	ARK	25 000	34 000	101
	KIRKLAND	SMACKOVER CR	ARK	4 000	9 000	55
	RIGGS BLUFF	LITTLE MISSOURI	ARK	3 000	7 000	35
A	NARROWS	LITTLE MISSOURI	ARK	8 500	0	142
	ROCKPORT	OUACHITA	ARK	8 000	28 000	22
A	REMMEL	OUOCHITA	ARK	6 200	8 000	50
A	CARPENTER	OUACHITA	ARK	28 000	3 000	95
	DEGRAY	CADDO	ARK	40 000	69 000	180
	CADDO GAP	CADDO	ARK	1 700	6 200	97
	MORNINGSPOINT	CYPRESS CR	LA	3 000	9 400	18
	AVINGER	BLACK CYPRESS	TEXAS	2 600	2 500	55
	TEXARKANA	SULPHUR	TEXAS	5 500	17 700	41
	DARDEN	SULPHUR	TEXAS	3 800	12 700	43
	DIVERSION DAM	RED	ARK	10 000	100 000	20
	DIERKS	SALINE	ARK	7 000	12 000	115
	GILLHAM	COSSATOT	ARK	25 000	45 000	156
	DE QUEEN	ROLLING FK	ARK	13 000	20 000	120
	BROKEN BOW	MOUNTAIN FK	OKLA	75 000	128 000	168
	SHERWOOD	MOUNTAIN FK	OKLA	50 000	88 000	147
	PINE CREEK	LITTLE	OKLA	15 000	44 000	85
	LUKFATA NO 1	GLOVER CR	OKLA	20 000	37 000	154
	LOCK AND DAM NO 1	RED	ARK-TEX	10 000	100 000	20
	LOCK AND DAM NO 2	RED	ARK-TEX	10 000	100 000	20
	LOCK AND DAM NO 3	RED	ARK-TEX	10 000	100 000	20
	LOCK AND DAM NO 4	RED	OKLA-TEX	10 000	100 000	20
	LOCK AND DAM NO 5	RED	OKLA-TEX	10 000	100 000	20
	LOCK AND DAM NO 6	RED	OKLA-TEX	10 000	100 000	20
	LOCK AND DAM NO 7	RED	OKLA-TEX	10 000	100 000	20
	HUGO	KIAMICHI	OKLA	8 100	35 100	46
	LOCK AND DAM NO 8	RED	OKLA-TEX	10 000	100 000	20
	LOCK AND DAM NO 9	RED	OKLA-TEX	10 000	100 000	20
	BOSWELL	MUDDY BOGGY	OKLA	6 000	51 800	46
	LOCK AND DAM 10	RED	OKLA-TEX	10 000	100 000	20
	LOCK AND DAM 11	RED	OKLA-TEX	10 000	100 000	20
	DURANT	BLUE	OKLA	8 400	12 100	59
	LOCK AND DAM 12	RED	OKLA-TEX	10 000	100 000	20
A	DENISON	RED	TEXAS	105 000	84 000	110
	DURWOOD	WASHITA	OKLA	20 000	50 600	79
	DOUGHERTY	WASHITA	OKLA	25 000	62 800	101
	GAINESVILLE	RED	OKLA-TEX	100 000	164 000	114
	LAKE KEMP	WICHITA	TEXAS	1 400	8 000	67
				790 700	2 518 700	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
BIG BLACK EDWARDS	BIG BLACK	MISS	52 300 52 300	141 000 141 000	92
YAZOO					
GRENADA	YALOBUSHA	MISS	5 000	19 000	30
ARKABUTLA	COLDWATER	MISS	12 000	42 000	58
SARDIS	TALLAHATCHIE	MISS	15 000 32 000	60 000 121 000	73
ARKANSAS					
DAM NO 9	ARKANSAS	ARK	60 000	300 000	30
NIMROD	FOURCHE LA FAVE	ARK	14 000	23 000	63
CONWAY	ARKANSAS	ARK	88 000	480 000	36
DARDANELLE	ARKANSAS	ARK	124 000	636 000	45
OZARK	ARKANSAS	ARK	24 000	176 000	22
SHORT MOUNTAIN	ARKANSAS	OKLA	110 000	527 000	51
EUFULA	CANADIAN	OKLA	90 000	317 000	113
SANFORD	CANADIAN	TEXAS	3 000	15 000	117
CHEWEY	ILLINOIS	OKLA	42 000	63 000	141
WEBBERS FALLS	ARKANSAS	OKLA	28 000	167 000	29
A FORT GIBSON	GRAND	OKLA	22 500	37 000	60
MARKHAM FERRY	GRAND	OKLA	106 400	190 000	54
OOLOGAH	VERDIGRIS	OKLA	12 000	57 000	68
KEYSTONE	ARKANSAS	OKLA	60 000	245 000	74
TRINIDAD	PURGATOIRE	COLO	2 000	5 000	-
PUEBLO	ARKANSAS	COLO	11 000	33 000	157
CANON CITY	ARKANSAS	COLO	7 200	43 000	125
GRAPE CREEK	GRAPE CREEK	COLO	68 000	252 000	665
BADGER	CANAL	COLO	60 000	204 000	590
WELLSVILLE	CANAL	COLO	41 500	144 000	410
SALIDA	ARKANSAS	COLO	22 700	102 000	410
JOHNSON PANTHO	ARKANSAS CANAL	COLO	15 000	69 400	277
PRINCETON	ARKANSAS CANAL	COLO	11 700	68 500	281
WAPACO	ARKANSAS	COLO	16 500	136 000	499
GRANITE OYERO	ARKANSAS	COLO	19 200	66 800	295
ELBERT	ARKANSAS	COLO	8 700 1 067 400	39 000 4 395 700	520
WHITE					
JUDSONIA	LITTLE RED	ARK	20 000	80 000	71
GREERS FERRY	LITTLE RED	ARK	96 000	191 000	189
BELL FOLEY	STRAWBERRY	ARK	10 000	16 000	80
HARDY	SPRING	ARK	52 000	79 000	126
WATER VALLEY	ELEVEN POINT	ARK	40 000	117 000	127
DONIPHAN	CURRENT	MO	60 000	155 000	100
BLAIR CREEK	CURRENT	MO	120 000	142 000	174
CLEARWATER	BLACK	MO	28 000	46 800	104
WOLF BAYOU	WHITE	ARK	210 000	837 000	127
A NORFORK	NORTH FORK	ARK	70 000	20 000	173
LONE ROCK	BUFFALO FK	ARK	90 000	162 000	176
GILBERT	BUFFALO FK	ARK	60 000	95 000	173
A TABLE ROCK	WHITE	MO	100 000	143 000	208
GALENA	JAMES	MO	50 000	62 000	137
BUFFALO CITY	WHITE	ARK	40 000	130 000	37
COTTER	WHITE	ARK	40 000	127 000	38
A BULL SHOALS	WHITE	ARK	180 000	85 000	198
GRANDVIEW	KINGS	ARK	38 000	55 000	159
BEAVER	WHITE	ARK	112 000 1 416 000	160 000 2 702 800	185
ST FRANCIS					
WAPPAPELLO	ST FRANCIS	MO	7 500	21 000	32
ROWLAND CHURCH	ST FRANCIS	MO	35 000	51 000	98
MARBLE CREEK	ST FRANCIS	MO	30 000 72 500	47 000 119 000	116
MISSISSIPPI MAIN STREAM					
COMMERCE	MISSISSIPPI	ILL-MO	896 000	2 310 000	56
RIVERSIDE	MISSISSIPPI	ILL-MO	580 000 1 476 000	2 200 000 4 510 000	11
KASKASKIA					
CARLYLE	KASKASKIA	ILL	3 000 3 000	14 000 14 000	-

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MERAMEC CEDAR HILL UNION MERAMEC PARK	BIG BOURBEUSE MERAMEC	MO MO MO	8 000 8 000 14 000 30 000	25 000 25 000 50 000 100 000	69 85 93
<u>LOWER MISSISSIPPI RIVER TOTAL</u>			<u>4 939 900</u>	<u>14 622 200</u>	
<u>WESTERN GULF</u>					
SABINE TOLEDO BEND	SABINE	TEXAS	86 400 86 400	205 000 205 000	73
NECHES DAM B MCGEE BEND ROCKLAND	NECHES ANGELINA NECHES	TEXAS TEXAS TEXAS	2 900 52 000 13 500 68 400	22 500 118 000 62 300 202 800	31 72 63
TRINITY GARZA LITTLE ELM GRAPEVINE	ELM FK DENTON CR	TEXAS TEXAS	5 000 2 500 7 500	19 000 6 500 25 500	74 78
BRAZOS STILLHOUSE HOLLOW BELTON WACO DAM BEE MOUNTAIN DE CORDOVA HIGHTOWER INSPIRATION POINT TURKEY CREEK A MORRIS SHEPPARD	LAMPASSAS LEON BOSQUE BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS	TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS	12 000 18 900 4 300 144 200 140 200 86 200 105 900 97 800 18 000 627 500	7 300 29 000 9 000 54 700 54 700 41 900 41 800 39 200 0 277 600	125 110 84 91 80 63 70 66 135
COLORADO OF TEXAS ALTAIR COLUMBUS WEST POINT LOWER AUSTIN TANYARD SAN SABA HANNA WINCHELL STACY NASWORTHY	COLORADO COLORADO COLORADO COLORADO COLORADO SAN SABA COLORADO COLORADO COLORADO COLORADO SOUTH CONCHO	TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS	10 000 30 000 15 000 15 000 45 000 2 500 20 000 24 000 15 000 1 700 178 200	40 000 66 000 60 000 60 000 105 000 8 000 49 000 48 300 37 000 4 000 477 300	16 58 80 94 127 101 105 129 150 70
GUADALUPE GONZALES H 3 H 2 H 1 G B 6 G B 5 G B 4 RETENTION NO 2 CANYON	SAN MARCOS GUADALUPE GUADALUPE GUADALUPE GUADALUPE GUADALUPE GUADALUPE GUADALUPE GUADALUPE	TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS	8 000 2 500 2 500 2 500 5 000 5 000 5 000 5 000 10 000 45 500	8 000 9 000 9 000 9 000 11 000 11 000 10 000 11 000 33 000 111 000	52 35 35 35 38 45 35 53 159
NUECES PAKVILLE	NUECES	TEXAS	7 500 7 500	28 000 28 000	83
RIO GRANDE A FALCON PALAFOX AMISTAD PECOS NO 2 PECOS NO 3 PECOS NO 4 PACHECO BLUFF	RIO GRANDE RIO GRANDE RIO GRANDE PECOS PECOS PECOS PECOS	TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS N MEX	10 500 22 500 100 000 17 000 16 000 22 500 3 000	0 93 000 147 600 27 000 21 000 34 000 10 000	117 66 207 123 99 148 101

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
RIO GRANDE CONTD					
ALAMOGORDO	PECOS	N MEX	7 000	17 000	140
LOS ESTEROS	PECOS	N MEX	1 000	4 000	100
AQUA VERDE	RIO GRANDE	TEXAS	45 000	150 000	365
CABALLO	RIO GRANDE	N MEX	10 000	24 000	74
WHITE ROCK	RIO GRANDE	N MEX	30 000	160 000	210
CHAMITA	RIO CHAMA	N MEX	15 000	75 000	195
PLANT NO 3	RIO CHAMA	N MEX	15 000	71 000	130
PLANT NO 2	RIO CHAMA	N MEX	15 000	69 000	130
PLANT NO 1	RIO CHAMA	N MEX	15 000	67 000	130
EL VADO	RIO CHAMA	N MEX	15 000	85 000	176
WILLOW CREEK NO 4	WILLOW CR	N MEX	11 500	78 000	210
WILLOW CREEK NO 3	WILLOW CR	N MEX	8 000	58 000	151
WILLOW CREEK NO 2	WILLOW CR	N MEX	3 300	14 000	50
WILLOW CREEK NO 1	WILLOW CR	N MEX	5 700	24 000	90
COUNSELLOR	RIO CONEJOS	COLO	5 800	21 000	135
NOTCH TRAIL	RIO CONEJOS	COLO	2 800	16 400	1 200
GERRARD	RIO GRANDE	COLO	25 000	77 600	197
WAGON WHEEL GAP	RIO GRANDE	COLO	20 000	50 000	195
SANTA MARIA OUTLT	CLEAR CR	COLO	8 000	32 600	700
SANTA MARIA INLET	CLEAR CR	COLO	1 600	6 900	200
CLEAR CREEK	CLEAR CR	COLO	1 800	8 200	220
RIO GRANDE	RIO GRANDE	COLO	6 200	26 800	454
			459 200	1 468 100	
<u>WESTERN GULF TOTAL</u>			<u>1 480 200</u>	<u>2 795 300</u>	
<u>COLORADO RIVER</u>					
GILA					
HORSE SHOE	VERDE	ARIZ	10 000	40 000	175
LIVINGSTON	SALT	ARIZ	11 500	72 000	150
GLEASON FLAT	SALT	ARIZ	43 500	279 000	625
MULE HOOF	SALT	ARIZ	13 500	75 000	200
WALNUT CANYON	SALT	ARIZ	25 200	136 000	375
KNOB	SALT	ARIZ	28 500	136 000	440
BUTTES	GILA	ARIZ	6 000	35 000	165
HOOVER	GILA	N MEX	3 000	8 000	250
			141 200	781 000	
ALL AMERICAN CANAL					
DROP NO 5	ALL AMERICAN CAN	CALIF	5 000	24 100	24
DROP NO 3	ALL AMERICAN CAN	CALIF	4 800	8 700	26
			9 800	32 800	
COLORADO MAIN STREAM HEADGATE ROCK	COLORADO	ARIZ	26 000 26 000	135 000 135 000	23
WILLIAMS ALAMO	WILLIAMS	ARIZ	4 500 4 500	12 600 12 600	235
COLORADO MAIN STREAM A HOOVER	COLORADO	NEV	95 000 95 000	0 0	530
VIRGIN					
WARNER VALLEY	VIRGIN	UTAH	5 400	25 000	480
BENCH LAKE	DIXIE CANAL	UTAH	2 200	11 000	120
VIRGIN	DIXIE CANAL	UTAH	5 600	23 000	261
			13 200	59 000	
COLORADO MAIN STREAM BRIDGE CANYON KANAB CREEK MARBLE CANYON GLEN CANYON	COLORADO COLORADO COLORADO COLORADO	ARIZ ARIZ ARIZ ARIZ	1 508 000 850 000 510 000 900 000 3 768 000	5 371 000 5 650 000 2 411 000 4 600 000 18 032 000	650 965 300 570

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
SAN JUAN					
SLICK HORN CANYON	SAN JUAN	UTAH	62 000	272 000	208
GOOSENECKS	SAN JUAN	UTAH	51 000	225 000	177
BLUFF	SAN JUAN	UTAH	85 000	458 000	354
NAVAJO	SAN JUAN	N MEX	24 000	49 000	370
ANIMAS GORGE	ANIMAS	COLO	13 500	118 000	625
LIME CREEK	ANIMAS	COLO	70 000	294 000	1 155
HOWARDVILLE	ANIMAS	COLO	12 000	51 600	542
EMERALD LAKES	LOS PINOS	COLO	26 000	108 000	1 973
TURKEY CREEK	SAN JUAN	COLO	2 500	16 000	300
			346 000	1 591 600	
ESCALANTE					
A BOULDER CREEK	BOULDER CR	UTAH	1 400	0	1 527
			1 400	0	
GREEN					
MEXICAN BEND	SAN RAFAEL	UTAH	7 400	38 800	245
BLACK BOX	SAN RAFAEL	UTAH	18 000	93 700	600
COTTONWOOD	COTTONWOOD CR	UTAH	7 000	24 500	780
GRAY CANYON	GREEN	UTAH	210 000	945 000	440
RANGELY	WHITE	COLO	6 300	55 000	180
UPPER WHITEROCKS	WHITEROCK CR	UTAH	7 300	55 000	1 200
UINTA RIVER	UINTA	UTAH	9 600	74 900	1 500
MOON LAKE	LAKE FK	UTAH	4 000	19 000	355
UPPER WESY FORK	LAKE FK	UTAH	4 600	34 700	800
YELLOWSTONE	YELLOWSTONE CR	UTAH	14 000	55 000	1 500
ROCK CREEK	ROCK CR	UTAH	7 500	54 000	1 200
ECHO PARK	GREEN	COLO	200 000	717 000	520
SPLIT MOUNTAIN	GREEN	UTAH	100 000	436 000	315
LILY PARK	YAMPA	COLO	7 500	39 000	70
SLATER FALLS	SLATER FK	COLO	7 500	43 000	454
CROSS MOUNTAIN	YAMPA	COLO	60 000	330 000	440
FLAMING GORGE	GREEN	UTAH	108 000	478 000	446
BURNT LAKE	FALL CR	WYO	1 500	9 000	627
FREMONT LAKE	FREMONT CR	WYO	2 900	11 300	530
			783 100	3 512 900	
COLORADO MAIN STREAM					
MOAB	COLORADO	UTAH	110 000	481 000	138
DEWEY	COLORADO	UTAH	180 000	797 000	325
			290 000	1 278 000	
DOLORES					
HORSEFLY CREEK	SAN MIGUEL	COLO	2 700	23 300	406
MCKENZIE CREEK	SAN MIGUEL	COLO	3 200	24 000	426
SAWPIT	SAN MIGUEL	COLO	3 400	25 000	490
			9 300	72 300	
GUNNISON					
WHITEWATER	GUNNISON	COLO	48 000	249 000	240
OURAY NO 3	UNCOMPAHGRE	COLO	4 000	25 000	475
OURAY NO 2	UNCOMPAHGRE	COLO	5 000	28 600	750
OURAY NO 1	UNCOMPAHGRE	COLO	7 000	36 800	1 130
CRYSTAL	GUNNISON	COLO	30 000	148 000	175
MORROW POINT	GUNNISON	COLO	40 000	291 000	405
BLUE MESA	GUNNISON	COLO	60 000	285 000	356
GATEVIEW	LAKE FK	COLO	4 200	32 000	330
LAKE FORK	LAKE FK	COLO	7 500	40 700	380
ALMONT	TAYLOR	COLO	4 800	39 400	300
SPRING CREEK	TAYLOR	COLO	7 000	56 500	440
CRYSTAL CREEK	TAYLOR	COLO	7 200	63 000	315
			224 700	1 295 000	
COTTONWOOD CREEK					
LOWER MOLINA	COLBRAN PIPELINE	COLO	4 900	25 100	1 330
UPPER MOLINA	COLBRAN PIPELINE	COLO	8 600	42 700	2 430
			13 500	67 800	
MEADOW CREEK					
ELECTRA	MEADOW CR	COLO	4 700	41 000	1 700
			4 700	41 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CANYON CREEK	CANYON CR	COLO	3 000	26 800	452
LOWER BEAR WALLOW	CANYON CR	COLO	48 000	209 000	2 510
UPPER BEAR WALLOW			51 000	235 800	
ROARING FORK					
CARDIFF	ROARING FK	COLO	4 100	31 000	94
RED CANYON	ROARING FK	COLO	4 700	36 000	103
CRYSTAL RIVER	ROARING FK	COLO	6 300	48 000	149
CARBONDALE	ROARING FK	COLO	6 200	47 500	202
EMMA	ROARING FK	COLO	6 500	50 000	222
BASALT	ROARING FK	COLO	3 700	28 000	132
RUEDI	FRYINGPAN	COLO	4 300	19 400	263
SNOWMASS CREEK	ROARING FK	COLO	4 500	36 000	248
WOODY CREEK	ROARING FK	COLO	6 400	51 000	450
CASTLE CREEK	ROARING FK	COLO	4 200	34 000	425
ASPEN	ROARING FK	COLO	2 500	21 500	405
LINCOLN GULCH	ROARING FK	COLO	2 800	21 500	1 490
			56 200	423 900	
COLORADO MAIN STREAM					
GLENWOOD SPRINGS	COLORADO	COLO	22 000	181 000	205
			22 000	181 000	
EAGLE					
GYPSUM CREEK	EAGLE	COLO	4 400	32 000	243
BRUSH CREEK	EAGLE	COLO	2 800	20 000	220
			7 200	52 000	
COLORADO MAIN STREAM					
GORE CANYON	COLORADO	COLO	20 000	97 700	363
			20 000	97 700	
BLUE					
ACORN CREEK	BLUE	COLO	2 700	20 500	235
			2 700	20 500	
<u>COLORADO RIVER TOTAL</u>			<u>5 889 500</u>	<u>27 921 900</u>	
<u>GREAT BASIN</u>					
TRUCKEE					
FRANKTOWN	FRANKTOWN CR	NEV	15 000	86 200	1 163
CALVADA	TRUCKEE	CALIF	26 500	61 900	985
INDEPENDENCE	LITTLE TRUCKEE	CALIF	6 000	20 000	950
PROSSER	TRUCKEE	CALIF	5 000	33 000	300
			52 500	201 100	
CARSON LAKE					
EUREKA	CARSON	NEV	7 000	37 300	538
PAYNESVILLE	W FK CARSON	CALIF	6 000	47 800	1 093
WOODFORDS	W FK CARSON	CALIF	5 000	39 600	966
WATASHEAMU	E FK CARSON	NEV	8 000	33 900	236
			26 000	158 600	
WALKER LAKE					
ANTELOPE	WEST WALKER	CALIF	9 500	50 700	525
MIDWAY	WEST WALKER	CALIF	11 000	48 000	426
LEAVITT MEADOW	WEST WALKER	CALIF	4 700	24 400	400
			25 200	123 100	
OWENS					
U POWER HOUSE NO 3	COTTONWOOD CR	CALIF	0	8 000	1 267
POWER HOUSE NO 2	COTTONWOOD CR	CALIF	5 000	32 000	2 166
POWER HOUSE NO 1	COTTONWOOD CR	CALIF	4 000	24 000	2 077
BIG PINE NO 2	BIG PINE CR	CALIF	5 400	34 000	1 789
BIG PINE NO 1	BIG PINE CR	CALIF	3 000	23 000	1 209
BISHOP CREEK NO 1	BISHOP CR	CALIF	3 500	28 000	900
PINE CREEK	PINE CR	CALIF	9 000	50 000	2 290
ROCK CREEK NO 3	ROCK CR	CALIF	4 500	26 000	800
ROCK CREEK NO 2	ROCK CR	CALIF	12 500	78 000	2 515
ROCK CREEK NO 1	ROCK CR	CALIF	6 500	41 000	1 545
MONO CRATERS	OWENS	CALIF	4 000	24 400	197
			57 400	368 400	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
GREAT SALT LAKE					
UPPER LOGAN	LOGAN	UTAH	6 200	47 500	800
MINK	BEAR	IDAHO	20 000	60 600	115
LAVA	BEAR	IDAHO	13 400	37 900	99
COKEVILLE	BEAR	WYO	9 000	50 000	210
ALTA TUNNEL	COTTONWOOD CR	UTAH	5 000	15 500	650
CASTILLA	DIAMOND CR	UTAH	6 000	48 300	400
TANNER	DIAMOND CR	UTAH	6 000	36 000	232
HAMMOCK	FIFTH WATER	UTAH	40 000	240 000	1 532
OLD WEST	SIXTH WATER	UTAH	9 000	48 700	378
			114 600	584 500	
<u>GREAT BASIN TOTAL</u>			<u>275 700</u>	<u>1 435 700</u>	
<u>NORTH PACIFIC</u>					
NOOKSACK					
DEMING	NOOKSACK	WASH	50 000	170 000	110
SKOOKUM CREEK	S FK NOOKSACK	WASH	20 300	159 000	560
MAPLE FALLS	NOOKSACK	WASH	12 000	44 000	100
SHUKSAN	NOOKSACK	WASH	33 000	205 000	750
			115 300	578 000	
WHATCOM CREEK					
WHATCOM CREEK 2	WHATCOM CR	WASH	2 400	19 200	40
WHATCOM CREEK 1	WHATCOM CR	WASH	14 400	115 000	250
			16 800	134 200	
SKAGIT					
A THE DALLES	SKAGIT	WASH	53 000	372 000	32
BAKER RIVER	BAKER	WASH	57 600	27 000	255
LOW FABER	SKAGIT	WASH	150 000	650 000	110
LOWER SAUK	SAUK	WASH	70 000	430 000	218
LOWER SUIATTLE	SUIATTLE	WASH	31 000	242 000	505
BUCK CREEK NO 1A	BUCK CR	WASH	12 000	76 600	1 200
BUCK CREEK NO 1	SUIATTLE	WASH	19 900	153 000	380
DOWNEY CREEK NO 1	SUIATTLE	WASH	12 200	92 800	385
DOWNEY CREEK 1A	SULPHUR CR	WASH	24 100	157 000	1 115
UPPER SUIATTLE	SUIATTLE	WASH	18 400	140 000	625
UPPER SAUK	DAN CR	WASH	74 000	320 000	585
LOWER WHITECHUCK	WHITECHUCK	WASH	14 700	104 000	795
UPPER WHITECHUCK	WHITECHUCK	WASH	14 300	101 000	1 200
NORTH FORK SAUK	N FK SAUK	WASH	29 000	212 000	845
SLOAN CREEK	N FK SAUK	WASH	9 500	67 000	400
ILLABOT CREEK	ILLABOT CR	WASH	13 500	96 400	1 000
CASCADE	CASCADE	WASH	66 000	320 000	686
COPPER CREEK	SKAGIT	WASH	60 000	414 000	115
U GORGE	SKAGIT	WASH	0	207 000	380
A DIABLO	SKAGIT	WASH	120 000	168 000	330
THUNDER CREEK	THUNDER CR	WASH	13 000	98 000	640
U ROSS	SKAGIT	WASH	0	212 000	520
			862 200	4 659 800	
STILLAGUAMISH					
TYREE	S FK STILLAGUAMIS	WASH	15 000	99 500	290
JORDEN	S FK STILLAGUAMIS	WASH	6 800	55 200	117
GRANITE FALLS	S FK STILLAGUAMIS	WASH	17 500	136 000	255
ROBE	S FK STILLAGUAMIS	WASH	30 000	247 000	480
SILVERTON	S FK STILLAGUAMIS	WASH	23 000	145 000	220
OSO	N FK STILLAGUAMIS	WASH	15 800	108 000	136
CHAPLAIN CREEK	N FK STILLAGUAMIS	WASH	50 000	180 000	886
			158 100	970 700	
SNOHOMISH					
LOWER SULTAN	SULTAN	WASH	24 000	160 000	345
MIDDLE SULTAN	SULTAN	WASH	32 000	175 000	405
UPPER SULTAN	SULTAN	WASH	84 000	165 000	390
WALLACE LAKE	E FK WALLACE	WASH	22 000	178 000	1 255
SUNSET FALLS	S FK SKYKOMISH	WASH	84 500	591 000	520
LAKE ISABEL	HOGARTY CR	WASH	5 000	30 000	-
MILLER FORKS	MILLER CR	WASH	4 500	32 400	310
EAST FORK MILLER	E FK MILLER CR	WASH	4 900	38 400	770
LAKE DOROTHY	E FK MILLER CR	WASH	3 500	30 600	1 070
UPPER SOUTH FORKS	S FK SKYKOMISH	WASH	8 100	57 000	120

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
SNOHOMISH CONTD					
TONGA	FOSS	WASH	7 600	56 600	495
ALTURAS LAKE	E FK FOSS	WASH	5 000	37 800	440
BECKLER	BECKLER	WASH	13 700	93 200	535
TROUT CREEK	TROUT CR	WASH	2 300	15 100	850
GIDDINGS CREEK	N FK SKYKOMISH	WASH	13 500	94 100	450
TROUBLESOME NO 2	TROUBLESOME CR	WASH	3 100	23 600	750
TROUBLESOME NO 1	TROUBLESOME CR	WASH	3 600	31 300	2 130
CALLIGAN CREEK	N FK SNOQUALMIE	WASH	22 300	106 000	465
A SNOQUALMIE FALLS	SNOQUALMIE	WASH	24 000	-	287
LOWER NORTH FORK	N FK SNOQUALMIE	WASH	34 000	197 000	525
MOUNT SI	M FK SNOQUALMIE	WASH	46 800	315 000	511
UPPER FALLS	S FK SNOQUALMIE	WASH	8 500	58 000	500
			456 900	2 485 100	
DUWAMISH					
EAGLE GORGE	GREEN	WASH	65 000	430 000	850
			65 000	430 000	
PUYALLUP					
A WHITE RIVER	WHITE	WASH	53 000	0	487
MUD MOUNTAIN	WHITE	WASH	50 000	400 000	505
TWIN CREEK	WHITE	WASH	15 000	95 000	530
WEST FORK MOUTH	W FK WHITE	WASH	4 800	34 200	560
HUCKLEBERRY	WHITE	WASH	3 500	24 700	195
EAST FORK RAINIER	E FK WHITE	WASH	4 900	35 000	360
CARBON NO 3	CARBON	WASH	9 000	60 000	480
CARBON NO 2	CARBON	WASH	9 000	60 000	470
CARBON NO 1	CARBON	WASH	10 100	74 500	705
ORTING	PUYALLUP	WASH	14 000	120 000	442
MOWICH NO 1A	PUYALLUP	WASH	4 500	33 300	575
MOWICH NO 1	MOWICH	WASH	7 200	53 400	815
			185 000	990 100	
NISQUALLY					
TR NISQUALLY	NISQUALLY	WASH	6 800	55 700	87
PARK JUNCTION 2	NISQUALLY	WASH	3 900	28 400	115
PARK JUNCTION 1	NISQUALLY	WASH	9 600	71 800	550
			20 300	155 900	
HOOD CANAL					
TUNNEL CREEK	QUILCENE	WASH	5 800	40 700	944
USGS SITE 12PM12	DOSEWALLIPS	WASH	18 000	76 700	380
USGS SITE 12PM11	DOSEWALLIPS	WASH	15 000	65 200	380
USGS SITE 12PM10	DOSEWALLIPS	WASH	27 000	119 000	740
USGS SITE 12PM15A	DUCKABUSH	WASH	18 000	80 100	430
USGS SITE 12PM14A	DUCKABUSH	WASH	8 000	34 700	220
USGS SITE 12PM13	DUCKABUSH	WASH	13 000	56 500	405
USGS SITE 12PM9	HAMMA HAMMA	WASH	25 000	111 000	505
STAIRCASE	SKOKOMISH	WASH	5 200	35 200	275
SEVEN STREAMS	SKOKOMISH	WASH	6 000	41 000	490
			141 000	660 100	
DUNGENESS					
12 PM NO 24	DUNGENESS	WASH	2 600	13 100	160
12 PM NO 23	DUNGENESS	WASH	5 800	29 100	334
FORKS	DUNGENESS	WASH	5 000	36 600	294
GREY WOLF	GREY WOLF	WASH	3 600	27 000	512
GOLD CREEK	DUNGENESS	WASH	2 800	20 500	358
UPPER DUNGENESS	DUNGENESS	WASH	4 600	33 600	954
			24 400	159 900	
ELWHA					
TAILWATER	ELWHA	WASH	7 200	56 600	82
MCDONALD	ELWHA	WASH	17 000	136 000	225
GEYSER BASIN	ELWHA	WASH	10 000	79 800	190
WINDFALL CREEK	ELWHA	WASH	11 400	91 200	290
LITTLE LOST	ELWHA	WASH	10 500	84 200	290
PRESS VALLEY	ELWHA	WASH	5 700	46 800	220
GODMAN CREEK	ELWHA	WASH	2 400	17 400	230
DELABARRE CREEK	ELWHA	WASH	1 500	10 700	282
			65 700	522 700	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
LYRE					
LOWER LYRE	LYRE	WASH	11 900	100 000	290
LAKE CRESCENT	LYRE	WASH	12 500	105 000	297
			24 400	205 000	
SOLEDUCK					
FAIRHOLM	SOLEDUCK	WASH	17 700	119 000	481
			17 700	119 000	
HOH					
LOG JAM	HOH	WASH	22 000	192 000	150
HOH BOW	HOH	WASH	53 600	260 000	220
BENDS	S FK HOH	WASH	5 200	38 800	240
FORDS	S FK HOH	WASH	3 000	21 800	125
SLATE CREEK	S FK HOH	WASH	13 500	100 000	1 300
SPRUCE CREEK	HOH	WASH	4 600	34 000	70
TWIN CREEK	HOH	WASH	8 200	60 800	200
MINERAL CREEK	HOH	WASH	4 600	33 900	150
GLIDE CREEK	HOH	WASH	8 500	62 900	380
			123 200	804 200	
QUEETS					
LOWER QUEETS	QUEETS	WASH	17 000	74 500	68
UPPER QUEETS	QUEETS	WASH	10 000	43 800	803
			27 000	118 300	
QUINAULT					
QUINAULT LAKE	QUINAULT	WASH	13 800	99 500	95
SOUTH FORK	QUINAULT	WASH	15 400	104 000	190
RUSTLER RIVER	QUINAULT	WASH	13 100	88 900	300
			42 300	292 400	
CHEHALIS					
LOWER CANYON	WYNOOCHEE	WASH	9 100	76 400	164
SAVE CREEK	WYNOOCHEE	WASH	5 700	47 300	152
WEATHERWAX	WYNOOCHEE	WASH	12 000	100 000	284
			26 800	223 700	
NORTH					
NORTH RIVER	NORTH	WASH	20 000	87 600	112
			20 000	87 600	
<u>COLUMBIA BASIN</u>					
GRAYS					
GRAYS RIVER	GRAYS	WASH	15 000	60 000	400
			15 000	60 000	
COWLITZ					
CASTLE ROCK	TOUTLE	WASH	260 000	1 000 000	200
KID VALLEY	TOUTLE	WASH	94 000	350 000	475
UPPER GREEN	GREEN	WASH	5 000	21 900	250
ELK CREEK	TOUTLE	WASH	10 000	72 700	500
COLDWATER CREEK	TOUTLE	WASH	8 200	61 000	600
SPIRIT LAKE	TOUTLE	WASH	4 800	41 600	1 124
MAYFIELD	COWLITZ	WASH	162 000	545 000	185
TILTON	TILTON	WASH	33 000	128 000	385
MOSSYROCK	COWLITZ	WASH	300 000	855 000	325
COWLITZ FALLS	COWLITZ	WASH	210 000	797 000	330
GREENHORN CREEK	CISPUS	WASH	47 000	190 000	285
MUDDY FORK	CISPUS	WASH	80 000	287 000	1 450
WALUPT LAKE	WALUPT	WASH	8 000	30 700	600
PACKWOOD LAKE	HALL CR	WASH	20 000	98 600	1 787
SILVER FALLS	OHANAPECOSH	WASH	23 200	184 000	930
			1 265 200	4 662 500	
LEWIS					
A MERWIN	LEWIS	WASH	45 000	0	185
A YALE	LEWIS	WASH	108 000	0	250
SWIFT CREEK	SWIFT CR	WASH	7 000	48 300	810
MUDDY	LEWIS	WASH	110 000	407 000	338
CLEARWATER CREEK	MUDDY	WASH	6 500	49 400	330
PARADISE FALLS	CLEARWATER CR	WASH	17 000	67 500	920
CLEAR CREEK	CLEAR CR	WASH	5 800	39 000	750
MEADOWS LOWER	LEWIS	WASH	55 000	152 000	1 050

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
	LEWIS CONTD					
	MEADOWS UPPER	RUSH CR	WASH	30 000	120 000	800
	CASCADE GORGE	LEWIS	WASH	22 000	99 000	285
	QUARTZ CREEK	LEWIS	WASH	12 700	92 300	415
	STEAMBOAT CREEK	LEWIS	WASH	9 500	73 500	550
				428 500	1 148 000	
A	WILLAMETTE					
	CLEAR CREEK	CLACKAMAS	OREG	16 000	72 900	40
	LOWER CLACKAMAS	CLACKAMAS	OREG	72 000	331 000	180
	SOUTH FORK	CLACKAMAS	OREG	24 000	120 000	200
	FISH CREEK	CLACKAMAS	OREG	27 000	140 000	240
	OAK GROVE STA P	CLACKAMAS	OREG	25 500	20 000	925
	NOWHERE MEADOWS	CLACKAMAS	OREG	28 000	178 000	240
	SHELL ROCK	OAK GROVE FK	OREG	35 000	108 000	927
	BIG BOTTOM	CLACKAMAS	OREG	20 000	83 200	340
	PELKEY	MOLALLA	OREG	4 700	34 600	260
	HEADWATERS	MOLALLA	OREG	5 300	33 400	475
	SCOTTS MILLS	BUTTE CR	OREG	3 100	19 500	650
	CAMP CREEK	ABIQUA CR	OREG	3 600	22 600	500
	HEADWATERS	ABIQUA CR	OREG	2 400	15 100	800
	SILVERTON	SILVER CR	OREG	3 800	24 100	800
	MEHAMA DIVERSION	NORTH SANTIAM	OREG	40 000	208 000	207
	NORTH SANTIAM	NORTH SANTIAM	OREG	63 000	388 000	342
	BYARS CREEK	BREITENBUSH	OREG	11 000	63 000	250
	TUNNEL	NORTH SANTIAM	OREG	25 000	106 000	290
	MINTO	NORTH SANTIAM	OREG	18 000	72 900	250
	MARION LAKE	MARION CR	OREG	22 000	154 000	1 500
	ALBANY SITES	SOUTH SANTIAM	OREG	11 000	89 600	175
	WATERLOO DIVR	SOUTH SANTIAM	OREG	3 800	30 000	65
	MCDOWELL CREEK	SOUTH SANTIAM	OREG	2 700	22 000	50
	FOSTER DIVERSION	SOUTH SANTIAM	OREG	7 600	61 800	100
	WHITE BRIDGE	MIDDLE SANTIAM	OREG	19 000	66 000	93
	GREEN PETER	MIDDLE SANTIAM	OREG	90 000	212 000	321
	BEAR CREEK	MIDDLE SANTIAM	OREG	11 700	73 600	800
	ROBERTS DIVERSION	QUARTZVILLE CR	OREG	3 700	23 300	200
	PACKERS GULCH	QUARTZVILLE CR	OREG	8 600	54 200	600
	JUNCTION DIVR	SOUTH SANTIAM	OREG	3 100	23 200	126
	CASCADIA	SOUTH SANTIAM	OREG	15 000	70 000	258
	PATTERSON	SOUTH SANTIAM	OREG	2 900	22 800	164
	HAYDEN BRIDGE	MCKENZIE	OREG	9 000	73 600	90
	DEERHORN	MCKENZIE	OREG	4 000	32 400	44
	VIDA	MCKENZIE	OREG	30 000	240 000	200
	QUARTZ CREEK	MCKENZIE	OREG	18 000	142 000	80
	BLUE RIVER	BLUE	OREG	16 000	71 000	330
	STRUBE	S FK MCKENZIE	OREG	4 500	25 400	68
	COUGAR	S FK MCKENZIE	OREG	60 000	168 100	442
	HARDY CREEK	S FK MCKENZIE	OREG	3 300	28 900	290
	AUGUSTA CREEK	S FK MCKENZIE	OREG	4 900	42 700	430
	HORSE CREEK	HORSE CR	OREG	5 300	46 400	330
	FOLEY SPRINGS	HORSE CR	OREG	4 900	42 900	280
	MCKENZIE BRIDGE	MCKENZIE	OREG	10 000	78 800	85
	RAINBOW CREEK	SEPARATION CR	OREG	8 700	76 200	720
	HARVEY CREEK	SEPARATION CR	OREG	7 000	61 000	850
	THREE SISTERS	SEPARATION CR	OREG	9 100	79 700	1 350
	BELKNAP	MCKENZIE	OREG	35 000	229 000	385
	TRAIL BRIDGE	MCKENZIE	OREG	6 000	38 100	86
	CARMEN	MCKENZIE	OREG	47 500	181 000	518
	BEAVER MARSH	MCKENZIE	OREG	30 000	60 000	380
	LOOKOUT POINT 2	M FK WILLAMETTE	OREG	20 000	100 000	127
	MILE 6 POINT 7	NORTH FK	OREG	26 000	95 500	300
	NORTH FORK NO 2	NORTH FK	OREG	3 000	22 000	150
	NORTH FORK NO 1	NORTH FK	OREG	18 500	103 000	580
	SALMON CREEK	SALMON CR	OREG	30 000	162 000	1 020
	WALDO LAKE	BLACK CR	OREG	21 000	29 000	1 960
	HILLS CREEK	M FK WILLAMETTE	OREG	30 000	166 000	319
	MILE 56	M FK WILLAMETTE	OREG	6 800	48 000	215
	BOULDER CREEK	M FK WILLAMETTE	OREG	7 000	48 200	370
	STALEY CREEK	M FK WILLAMETTE	OREG	6 500	45 600	390
	SWIFT CREEK	M FK WILLAMETTE	OREG	7 000	42 200	800
	ROCKY POINT	ROW	OREG	4 500	33 200	175
				1 122 000	5 554 700	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
A	SANDY					
	BULL RUN STA 0	BULL RUN	OREG	13 200	70 000	328
	BULL RUN NO 2	BULL RUN	OREG	6 400	40 000	111
	BULL RUN NO 1	BULL RUN	OREG	12 800	58 000	172
	MARMOT	SANDY	OREG	33 500	232 000	600
	WELCHES	SALMON	OREG	9 800	63 800	350
	LINNEY	SALMON	OREG	18 600	124 000	820
	MEADOWS	SALMON	OREG	5 200	35 400	420
				99 500	623 200	
U	COLUMBIA MAIN STREAM					
	BONNEVILLE	COLUMBIA	OREG	0	200 000	66
				0	200 000	
	LIT WHITE SALMON					
	LIT WHITE SALMON	LIT WHITE SALMON	WASH	30 600	210 000	1 052
				30 600	210 000	
	WHITE SALMON					
	CONDIT	WHITE SALMON	WASH	40 000	200 000	197
	BUCK CREEK	WHITE SALMON	WASH	15 000	65 000	190
	HOSUM	WHITE SALMON	WASH	39 000	173 000	520
	GILMER	WHITE SALMON	WASH	48 000	217 000	680
	TROUT LAKE	WHITE SALMON	WASH	13 000	56 000	190
	NINEFOOT CREEK	TROUT LAKE CR	WASH	22 000	40 000	840
				177 000	751 000	
	KLICKITAT					
	FOOT OF RAPIDS	KLICKITAT	WASH	4 600	35 300	75
	HEAD BOX CANYON	KLICKITAT	WASH	15 200	116 000	295
	WRIGHT	KLICKITAT	WASH	5 500	41 900	120
	LITTLE KLICKITAT	KLICKITAT	WASH	12 000	92 000	290
	ALVORDS BRIDGE	KLICKITAT	WASH	12 300	94 400	300
	OUTLET CREEK	KLICKITAT	WASH	30 700	236 000	827
	BIG MUDDY	KLICKITAT	WASH	15 500	119 000	563
	MIDDLE BIG MUDDY	BIG MUDDY CR	WASH	8 200	56 400	968
	WEST FORK	W FK KLICKITAT	WASH	3 800	30 000	467
	WEST FORK	KLICKITAT	WASH	2 800	21 900	170
	CASTILE FORD	KLICKITAT	WASH	3 800	29 500	280
	MCCREEDY CREEK	KLICKITAT	WASH	3 100	23 700	335
				117 500	896 100	
A	COLUMBIA MAIN STREAM					
	THE DALLS	COLUMBIA	WASH	936 000	2 000 000	88
				936 000	2 000 000	
	DESCHUTES					
	MOODY	DESCHUTES	OREG	64 000	377 000	132
	LOCKIT	DESCHUTES	OREG	34 000	202 000	70
	RECLAMATION	DESCHUTES	OREG	46 000	272 000	95
	SINAMOX	DESCHUTES	OREG	43 000	254 000	90
	OAK BROOK	DESCHUTES	OREG	31 000	184 000	65
	SHERAR FALLS	DESCHUTES	OREG	36 000	210 000	75
	OAK SPRINGS	DESCHUTES	OREG	13 000	79 000	35
	MAUPIN	DESCHUTES	OREG	48 000	280 000	120
	FRIEDA	DESCHUTES	OREG	58 000	342 000	145
	WHITE HORSE	DESCHUTES	OREG	38 500	286 000	138
R	ROUND BUTTE	DESCHUTES	OREG	244 300	972 000	372
	WHITE WATER	METOLIUS	OREG	20 600	153 000	260
	JEFFERSON	METOLIUS	OREG	26 500	197 000	400
	JACKS CREEK	METOLIUS	OREG	11 900	88 500	300
				714 800	3 896 500	
	COLUMBIA MAIN STREAM					
	JOHN DAY	COLUMBIA	WASH	2 700 000	11 575 000	100
A	MCNARY	COLUMBIA	OREG	420 000	212 000	85
				3 120 000	11 787 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
SNAKE					
ICE HARBOR	SNAKE	WASH	540 000	2 409 000	100
LOWER MONUMENTAL	SNAKE	WASH	540 000	2 356 000	93
LITTLE GOOSE	SNAKE	WASH	540 000	2 558 000	100
LOWER GRANITE	SNAKE	WASH	600 000	2 630 000	102
LAPWAI	CLEARWATER	IDAHO	73 000	285 000	35
MYRTLE	CLEARWATER	IDAHO	131 000	513 000	66
AGATHA	CLEARWATER	IDAHO	105 000	407 000	53
PECK	CLEARWATER	IDAHO	70 000	272 000	35
BRUCES EDDY	N FK CLEARWATER	IDAHO	240 000	1 349 000	566
ROCK CREEK	N FK CLEARWATER	IDAHO	364 000	1 419 000	600
LOST CREEK	N FK CLEARWATER	IDAHO	13 000	50 000	49
FISHER CREEK	N FK CLEARWATER	IDAHO	10 000	73 000	268
KELLEY CREEK	N FK CLEARWATER	IDAHO	33 000	128 000	400
GREER	CLEARWATER	IDAHO	160 000	700 000	100
KAMIAH	CLEARWATER	IDAHO	50 000	220 000	45
PENNY CLIFFS	M FK CLEARWATER	IDAHO	292 000	1 708 000	592
JERRY JOHNSON	LOCHSA	IDAHO	46 000	178 000	290
WENDOVER	LOCHSA	IDAHO	105 000	447 000	718
WOLF CREEK	SELWAY	IDAHO	103 000	400 000	286
MOOSE CREEK	SELWAY	IDAHO	240 000	718 000	592
RUNNING CREEK	SILWAY	IDAHO	50 000	197 000	302
WHITE CAP	SELWAY	IDAHO	68 000	263 000	483
MEADOW CREEK	S FK CLEARWATER	IDAHO	73 000	285 000	810
SILVER CREEK	S FK CLEARWATER	IDAHO	24 000	91 100	430
NEWSOME CREEK	S FK CLEARWATER	IDAHO	50 000	198 000	1 040
ASOTIN	SNAKE	IDAHO-WASH	384 000	2 300 000	108
NARROWS	GRANDE RONDE	WASH	49 000	210 000	150
WENAH	GRANDE RONDE	WASH	201 000	630 000	520
BEAVER CREEK	WENAH	OREG	9 800	68 700	1 366
THE FORKS	WENAH	OREG	2 900	21 500	1 000
ELBOW CREEK	GRANDE RONDE	OREG	56 000	245 000	302
RONDOWA	GRANDE RONDE	OREG	76 000	333 000	420
LITTLE MINAM	MINAM	OREG	5 600	43 600	590
NORTH MINAM	MINAM	OREG	4 800	36 800	950
LITTLE INDIAN	INDIAN CR	OREG	2 700	9 000	616
LWR GRANDE RONDE	GRANDE RONDE	OREG	3 900	12 000	136
CHINA GARDENS	SNAKE	IDAHO	240 000	1 123 000	68
B MIDDLE SNAKE	SNAKE	IDAHO-OREG	2 500 000	7 500 000	595
FREEDOM	SALMON	IDAHO	450 000	840 000	205
CREVICE	SALMON	IDAHO	1 015 000	2 000 000	725
WARREN	WARREN CR	IDAHO	91 000	447 000	3 479
RAINES	S FK SALMON	IDAHO	28 000	110 000	140
PORPHYRY	S FK SALMON	IDAHO	32 000	122 000	159
JEANOTT	S FK SALMON	IDAHO	8 000	69 000	160
BEAR CREEK	S FK SALMON	IDAHO	10 000	84 000	200
TAILHOLT	S FK SALMON	IDAHO	6 000	50 000	120
DEADMAN	E FK S FK SALMON	IDAHO	5 300	43 700	320
REGAN	E FK S FK SALMON	IDAHO	5 300	43 700	320
PARKS	E FK S FK SALMON	IDAHO	5 600	46 000	370
HALF WAY	JOHNSON CR	IDAHO	3 100	27 200	520
RUSTICAN	JOHNSON CR	IDAHO	3 300	28 900	580
BUCKHORN	S FK SALMON	IDAHO	5 000	43 800	280
REED	S FK SALMON	IDAHO	3 200	28 000	170
POVERTY FLAT	S FK SALMON	IDAHO	4 600	39 000	325
BEAR HILL	S FK SALMON	IDAHO	5 100	44 700	390
KNOX	S FK SALMON	IDAHO	2 800	24 500	240
GROWLER RAPIDS	SALMON	IDAHO	248 000	968 000	305
BLACK CANYON	SALMON	IDAHO	238 000	927 000	332
PINNACLE PEAK	SALMON	IDAHO	243 000	944 000	376
LEWIS	M FK SALMON	IDAHO	141 000	550 000	433
MONUMENTAL	BIG CR	IDAHO	3 500	28 500	320
PUNGO	M FK SALMON	IDAHO	8 000	67 500	170
RISLEY	M FK SALMON	IDAHO	5 300	44 800	135
STEELHEAD	M FK SALMON	IDAHO	5 400	46 100	145
SHEEPEATER	M FK SALMON	IDAHO	7 700	66 000	240
DEERHORN	M FK SALMON	IDAHO	5 300	45 400	170
FULLER	M FK SALMON	IDAHO	5 800	49 800	190
SALMON FALLS	M FK SALMON	IDAHO	3 900	34 200	140
FALL CREEK	M FK SALMON	IDAHO	5 500	47 800	200
CHINOOK	M FK SALMON	IDAHO	5 200	45 500	200
BEAR VALLEY	M FK SALMON	IDAHO	7 800	68 300	310
ROOD	PANTHER CR	IDAHO	3 200	25 600	290
DEER CREEK	PANTHER CR	IDAHO	5 000	37 100	450
JUREANO	PANTHER CR	IDAHO	3 000	23 700	310

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
SNAKE CONTD					
SHOUP	SALMON	IDAHO	14 000	110 000	90
INDIANOLA	SALMON	IDAHO	71 000	277 000	248
LOWER LEMHI	SALMON	IDAHO	2 500	11 000	75
12 MILE CREEK	SALMON	IDAHO	5 800	46 300	45
CAMP CREEK	SALMON	IDAHO	8 700	69 600	69
RATTLESNAKE	SALMON	IDAHO	16 700	133 000	134
12 JA NO 16	SALMON	IDAHO	4 400	35 000	36
MCKIM CREEK	SALMON	IDAHO	17 000	136 000	140
PAHSIMEROI	SALMON	IDAHO	61 000	237 000	297
CHALLIS	SALMON	IDAHO	5 000	25 000	200
CLAYTON	SALMON	IDAHO	3 300	26 200	52
SULLIVAN HOT SPRS	SALMON	IDAHO	8 100	63 100	122
HOLMAN CREEK	SALMON	IDAHO	5 900	46 100	95
BADGER CREEK	SALMON	IDAHO	7 600	58 900	122
MULEY CREEK	SALMON	IDAHO	3 100	24 100	53
YANKEE FORK	SALMON	IDAHO	4 000	30 500	77
AMERICAN CREEK	SALMON	IDAHO	4 300	33 000	84
ELK HORN CREEK	SALMON	IDAHO	3 400	25 800	70
STANLEY BASIN	SALMON	IDAHO	8 800	66 600	211
THE RAPIDS	IMNAHA	OREG	5 700	39 300	950
HELLS CANYON	SNAKE	IDAHO OREG	408 000	1 840 000	208
OXBOW	SNAKE	IDAHO-OREG	237 500	1 034 000	117
A BROWNLEE	SNAKE	IDAHO	180 200	0	277
COVERDALE	MCGRAW CR	OREG	34 000	202 000	2 300
MASON	POWDER	OREG	3 000	6 000	120
REREGULATOR	S FK PAYETTE	IDAHO	36 000	145 000	122
GARDEN VALLEY	S FK PAYETTE	IDAHO	175 000	618 300	432
BIG PINE CREEK	S FK PAYETTE	IDAHO	7 800	63 500	160
PINE FLAT	S FK PAYETTE	IDAHO	4 300	35 200	90
OXBOW BEND	S FK PAYETTE	IDAHO	4 400	36 400	95
12 HG NO 13	S FK PAYETTE	IDAHO	3 900	32 200	100
12 HG NO 12	S FK PAYETTE	IDAHO	6 500	53 100	200
12 HG NO 11	S FK PAYETTE	IDAHO	4 200	34 600	130
12 HG NO 10	S FK PAYETTE	IDAHO	2 800	23 200	90
12 HG NO 9	S FK PAYETTE	IDAHO	5 000	42 400	220
12 HG NO 8	S FK PAYETTE	IDAHO	4 600	40 300	225
ELK LAKE	S FK PAYETTE	IDAHO	3 700	28 000	1 000
CLEAR CREEK	S FK PAYETTE	IDAHO	3 000	22 500	730
WARM SPRINGS	S FK PAYETTE	IDAHO	2 900	22 300	660
LOWER SCRIVER	SCRIVER CR	IDAHO	120 000	372 000	760
UPPER SCRIVER	SCRIVER CR	IDAHO	37 500	209 000	473
LUCKY PEAK	BOISE	IDAHO	43 000	213 000	240
ARROW ROCK	BOISE	IDAHO	13 000	42 000	196
12 HD NO 1	BOISE	IDAHO	5 600	43 700	115
TWIN SPRINGS	BOISE	IDAHO	25 000	114 000	312
12 HD NO 15	N FK BOISE	IDAHO	7 700	63 200	307
12 HD NO 12	N FK BOISE	IDAHO	3 000	23 800	600
ALEXANDER FLATS	M FK BOISE	IDAHO	2 500	19 700	162
12 HD NO 11	M FK BOISE	IDAHO	3 500	27 000	220
12 HD NO 20	S FK BOISE	IDAHO	3 700	29 500	105
A ANDERSON RANCH	S FK BOISE	IDAHO	13 500	0	323
CASEY RANCH	S FK BOISE	IDAHO	3 900	32 000	145
12 HD NO 19	S FK BOISE	IDAHO	2 800	23 200	120
BASCUM RESERVOIR	S FK BOISE	IDAHO	3 600	29 000	193
12 HD NO 18	S FK BOISE	IDAHO	3 300	25 500	208
12 HD NO 16	S FK BOISE	IDAHO	4 400	33 600	860
GUFFEY	SNAKE	IDAHO	85 000	483 000	105
DIKE	SNAKE	IDAHO	60 000	280 000	60
A BLISS	SNAKE	IDAHO	25 000	0	70
UPPER BLISS	SNAKE	IDAHO	100 000	385 000	78
CONE	SNAKE	IDAHO	80 000	350 000	150
12 GR NO 2	SNAKE	IDAHO	6 800	59 600	200
DRY CREEK	SNAKE	IDAHO	4 700	41 200	161
EAGLE ROCK	SNAKE	IDAHO	23 800	167 000	47
R AMERICAN FALLS	SNAKE	IDAHO	30 000	120 000	107
SHELLEY	SNAKE	IDAHO	4 700	38 900	28
TETON RIVER	TETON	IDAHO	17 300	139 000	600
FALLS RIVER	FALLS	IDAHO	14 600	117 000	500
12 GH NO 4	HENRYS FK	IDAHO	9 500	75 000	140
WARM RIVER	WARM	IDAHO	3 600	30 100	250
BIG AND LOWER FLS	HENRYS FK	IDAHO	17 600	139 000	270
BURNS CREEK	SNAKE	IDAHO	90 000	494 000	152
BLIND CANYON	SNAKE	WYO	122 000	537 000	327
			13 061 300	51 026 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
YAKIMA					
LOWER WAPATO	SIMCOE CR	WASH	25 000	103 000	613
UPPER WAPATO	SIMCOE CR	WASH	41 600	167 000	1 000
TIETON DIVERSION	TIETON	WASH	12 700	56 000	441
BELOW ELEV 1765	NACHES	WASH	7 300	61 000	145
RATTLE SNAKE CR	NACHES	WASH	10 000	84 000	207
ELEV 2265	NACHES	WASH	14 000	118 000	293
BUMPING RIVER	NACHES	WASH	12 200	104 000	275
BELOW AMERICAN R	BUMPING	WASH	6 200	53 500	178
ELEV 3165	BUMPING	WASH	7 000	61 000	447
BLW PLEASANT VLY	AMERICAN	WASH	10 700	93 700	662
NACHES MEADOWS	NACHES	WASH	2 700	23 400	557
TEANAWAY DAM	YAKIMA	WASH	16 000	59 000	80
BELOW BIG SALMON	CLE ELUM	WASH	4 100	35 000	138
ELEV 2545	CLE ELUM	WASH	4 600	39 400	155
COOPER LAKE DIVR	W FK CLE ELUM	WASH	3 000	26 400	318
WAPTUS LAKE DIVR	N FK CLE ELUM	WASH	3 000	26 700	467
FISH LAKE DIVR	N FK CLE ELUM	WASH	5 900	51 800	845
			186 000	1 162 900	
COLUMBIA MAIN STREAM					
BEN FRANKLIN	COLUMBIA	WASH	352 000	2 348 000	44
A PRIEST RAPIDS	COLUMBIA	WASH	1 025 000	3 643 000	82
WANAPUM	COLUMBIA	WASH	1 330 000	4 860 000	78
A ROCK ISLAND	COLUMBIA	WASH	41 400	0	53
			2 748 400	10 851 000	
WENATCHEE					
ELEV 612	WENATCHEE	WASH	12 400	103 000	83
ABOVE ELEV 695	WENATCHEE	WASH	31 900	267 000	210
DRYDEN POWER PLNT	WENATCHEE	WASH	8 000	70 500	62
PESHASTIN CREEK	PESHASTIN CR	WASH	2 400	16 600	575
BELOW ELEV 1110	WENATCHEE	WASH	24 400	207 000	143
ABOVE ELEV 1110	ICICLE CR	WASH	5 300	37 700	286
8 MILE FLAT DIVR	ICICLE CR	WASH	13 500	96 200	704
EIGHTMILE CREEK	ICICLE CR	WASH	8 300	58 700	585
TROUT CREEK	ICICLE CR	WASH	2 300	16 600	235
LEAVENWORTH	WENATCHEE	WASH	180 000	620 500	580
PLAIN	WENATCHEE	WASH	40 000	140 000	114
CHIWAHA	CHIWAHA	WASH	26 000	91 500	564
WENATCHEE	LITTLE WENATCHEE	WASH	2 200	15 700	150
WHITE RIVER	WHITE	WASH	4 500	32 000	355
			361 200	1 773 000	
COLUMBIA MAIN STREAM					
ROCKY REACH	COLUMBIA	WASH	1 118 200	5 200 000	93
			1 118 200	5 200 000	
ENTIAT					
ENTIAT DIVERSION	ENTIAT	WASH	3 600	27 200	358
MAD CREEK	ENTIAT	WASH	2 100	15 700	270
			5 700	42 900	
CHELAN					
A CHELAN	CHELAN	WASH	48 000	133 000	409
RAILROAD CREEK	RAILROAD CR	WASH	7 800	65 700	1 155
STEHEKIN	STEHEKIN	WASH	14 800	101 000	405
AGNES CREEK	STEHEKIN	WASH	14 700	101 000	555
			85 300	400 700	
COLUMBIA MAIN STREAM					
WELLS	COLUMBIA	WASH	804 000	4 500 000	115
			804 000	4 500 000	
OKANOGAN					
MCLAUGHLIN FALLS	OKANOGAN	WASH	2 200	15 800	24
BELOW ELEV 964	SIMILKAMEEN	WASH	2 800	21 000	54
SIMILKAMEEN	SIMILKAMEEN	WASH	84 000	230 000	244
			89 000	266 800	
COLUMBIA MAIN STREAM					
A CHIEF JOSEPH	COLUMBIA	WASH	704 000	1 430 000	173
A GRAND COULEE	COLUMBIA	WASH	1 296 000	2 400 000	341
			2 000 000	3 830 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
SPOKANE						
R	LITTLE FALLS	SPOKANE	WASH	4 400	27 000	78
R	LONG LAKE	SPOKANE	WASH	13 500	80 000	173
R	NINEMILE	SPOKANE	WASH	16 500	79 000	64
	BOWL AND PITCHER	SPOKANE	WASH	60 000	289 000	85
R	POST FALLS	SPOKANE	IDAHO	10 200	55 000	55
R	MONROE STREET	SPOKANE	WASH	23 800	144 000	72
R	UPPER FALLS	SPOKANE	WASH	16 000	89 000	62
R	WATER WORKS	SPOKANE	WASH	9 300	57 000	33
	CROSSING	SPOKANE	WASH	8 800	69 200	45
	ENAVILLE	COEUR D ALENE	IDAHO	60 000	175 000	272
	TEDDY CREEK	COEUR D ALENE	IDAHO	11 000	48 600	290
	AVERY	ST JOE	IDAHO	29 000	117 000	280
				262 500	1 229 800	
KETTLE						
	ORIENT	KETTLE	WASH	35 000	131 000	180
	CURLEW	KETTLE	WASH	9 000	35 000	150
				44 000	166 000	
BIG SHEEP CREEK						
	LOWER BIG SHEEP	BIG SHEEP CR	WASH	3 800	33 100	520
	UPPER BIG SHEEP	BIG SHEEP CR	WASH	1 800	14 900	302
				5 600	48 000	
CLARK FORK						
	BOUNDARY	PEND OREILLE	WASH	810 000	3 513 000	261
	PRIEST NO 4	PRIEST	IDAHO	27 300	66 000	109
	WEARE	BULL	MONT	2 200	8 800	100
A	NOXON RAPIDS	CLARK FK	MONT	168 000	300 000	160
A	THOMPSON FALLS	CLARK FK	MONT	35 000	300 000	60
	EDDY	CLARK FK	MONT	192 000	578 000	55
	KNOWLES	FLATHEAD	MONT	512 000	1 323 000	230
	SWAN LAKE	SWAN	MONT	4 800	26 000	54
U	HUNGRY HORSE	S FK FLATHEAD	MONT	0	120 000	484
	CORAM	FLATHEAD	MONT	114 000	289 000	108
	CANYON CREEK	N FK FLATHEAD	MONT	116 000	263 000	154
	SMOKEY RANGE	N FK FLATHEAD	MONT	220 000	508 000	350
	SPRUCE PARK	M FK FLATHEAD	MONT	78 000	282 000	860
	QUINN SPRINGS	CLARK FK	MONT	108 000	350 000	120
	SUPERIOR	CLARK FK	MONT	36 000	114 000	40
	QUARTZ CREEK	CLARK FK	MONT	104 000	350 000	130
	PLATEAU	CLARK FK	MONT	40 000	127 000	50
	BONNER	BLACKFOOT	MONT	22 300	85 800	165
	MCNAMARA	BLACKFOOT	MONT	38 000	70 000	118
	NINEMILE PRAIRIE	BLACKFOOT	MONT	60 000	166 000	285
	MYRICK	CLEARWATER	MONT	1 800	7 000	100
	OVANDO B	BLACKFOOT	MONT	19 400	74 500	250
	HEINZE	N FK BLACKFOOT	MONT	2 500	9 800	380
	LINCOLN CANYON	BLACKFOOT	MONT	2 300	9 200	110
	FINLEN	ROCK CR	MONT	14 100	55 200	210
	QUIGLEY	ROCK CR	MONT	14 300	56 100	240
	ATKINS	ROCK CR	MONT	9 000	35 000	174
	JOY	ROCK CR	MONT	10 500	41 200	234
	SAPPHIRE	W FK ROCK CR	MONT	3 600	14 000	210
				2 765 100	9 141 600	
KOOTENAI						
	MOYIE CANYON	MOYIE	IDAHO	36 000	94 200	213
	LOW KATKA	KOOTENAI	IDAHO	250 000	701 000	102
	LOWER YAAK CANYON	YAAK	MONT	52 000	131 000	320
	UPPER YAAK CANYON	YAAK	MONT	31 200	79 000	195
	YAAK FALLS	YAAK	MONT	58 000	149 000	365
	LONG MEADOWS	YAAK	MONT	18 000	46 000	192
	KOOTENAI FALLS	KOOTENAI	MONT	360 000	1 078 000	160
	KOOTINAI RIVER	KOOTENAI	MONT	132 000	350 000	60
	LIBBY	KOOTENAI	MONT	688 000	1 855 000	344
				1 625 200	4 483 200	
COLUMBIA BASIN TOTAL				33 187 600	125 910 900	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NEHALEM					
STONEHILL	NEHALEM	OREG	9 000	38 500	40
NEHALEM FALLS	NEHALEM	OREG	18 000	79 900	83
WAKEFIELD	NEHALEM	OREG	13 000	57 700	62
SALMONBERRY	NEHALEM	OREG	20 000	84 900	100
SPRUCE RUN	NEHALEM	OREG	17 000	72 800	90
ELSIE	NEHALEM	OREG	25 000	130 000	165
			102 000	463 800	
WILSON					
12 RA NO 41	WILSON	OREG	2 800	18 100	80
12 RA NO 40	WILSON	OREG	3 600	23 700	110
12 RA NO 39	WILSON	OREG	4 200	27 400	145
12 RA NO 38	WILSON	OREG	3 300	21 400	165
CEDAR CREEK	WILSON	OREG	18 000	96 000	260
			31 900	186 600	
TRASK					
MILE 9	TRASK	OREG	13 000	40 000	70
MILE 12 POINT 5	TRASK	OREG	13 000	40 000	70
GINGER PEAK	TRASK	OREG	25 000	70 000	260
			51 000	150 000	
NESTUCCA					
12 RA NO 29	NESTUCCA	OREG	3 400	23 600	170
BLAINE	NESTUCCA	OREG	15 000	70 000	260
MEADOW LAKE	NESTUCCA	OREG	4 000	27 000	870
			22 400	120 600	
SILETZ					
EUCHRE CREEK	SILETZ	OREG	14 200	117 000	255
SUNSHINE CREEK	SILETZ	OREG	20 800	150 000	345
THE FALLS	SILETZ	OREG	20 000	100 000	3 200
VALSETZ	S FK SILETZ	OREG	1 900	13 100	235
			56 900	380 100	
ALSEA					
TIDEWATER	ALSEA	OREG	10 000	35 000	70
SCOTT MOUNTAIN	ALSEA	OREG	40 000	200 000	270
			50 000	235 000	
SIUSLAW					
12 RA NO 6	SIUSLAW	OREG	10 000	42 000	70
TRIANGLE LAKE	LAKE CR	OREG	5 000	35 000	280
12 RA NO 5	SIUSLAW	OREG	22 000	103 000	180
AUSTA	SIUSLAW	OREG	20 000	67 600	220
			57 000	247 600	
SMITH					
12 RB NO 3	SMITH	OREG	3 000	13 000	130
12 RB NO 1	SMITH	OREG	5 400	23 600	320
			8 400	36 600	
UMPQUA					
LOON LAKE DIVR	MILL CR	OREG	6 500	55 900	385
SCOTTSBURG	UMPQUA	OREG	38 100	290 000	100
KELLEYS SMITHFRY	UMPQUA	OREG	30 800	236 000	85
KELLOGG	UMPQUA	OREG	23 500	196 000	70
WOLF CREEK	UMPQUA	OREG	37 000	298 000	145
WINCHESTER	NORTH UMPQUA	OREG	13 400	89 000	80
OAK CREEK	NORTH UMPQUA	OREG	11 300	86 500	70
HORSESHOE BEND	NORTH UMPQUA	OREG	14 000	98 300	90
GLIDE	NORTH UMPQUA	OREG	9 000	62 200	60
ROCK CREEK	NORTH UMPQUA	OREG	51 000	263 000	221
BOUNDARY	NORTH UMPQUA	OREG	44 000	216 000	187
STEAMBOAT	NORTH UMPQUA	OREG	16 300	113 000	190
COPELAND DIVR	NORTH UMPQUA	OREG	24 300	175 000	290
LAKE CREEK NO 3	LAKE CR	OREG	3 600	9 800	325
LAKE CREEK NO 1	LAKE CR	OREG	5 000	13 000	480
ROSEBURG	SOUTH UMPQUA	OREG	3 000	22 000	50
DILLARD	SOUTH UMPQUA	OREG	3 600	26 000	60
RUCKLES	SOUTH UMPQUA	OREG	2 800	21 000	50
MYRTLE CREEK	SOUTH UMPQUA	OREG	3 900	28 000	70
RIDDLE DIVERSION	SOUTH UMPQUA	OREG	5 800	44 000	125
DAYS CREEK	SOUTH UMPQUA	OREG	4 900	24 100	100

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
UMPQUA CONTD					
PERDUE	SOUTH UMPQUA	OREG	4 600	20 800	100
COFFEE CREEK	SOUTH UMPQUA	OREG	3 100	20 000	80
TILLER DIVERSION	SOUTH UMPQUA	OREG	6 200	39 800	160
DEADMAN CREEK	SOUTH UMPQUA	OREG	3 100	21 000	175
			<u>368 800</u>	<u>2 468 400</u>	
COOS					
B LOWER COOS RIVER	COOS	OREG	30 000	130 000	400
TIOGA FORK	COOS	OREG	<u>20 000</u>	<u>100 000</u>	300
			50 000	230 000	
COQUILLE					
FAIRVIEW	N FK COQUILLE	OREG	4 500	39 400	200
12 RC NO 6A	E FK COQUILLE	OREG	7 400	64 600	400
12 RC NO 5	M FK COQUILLE	OREG	4 600	40 300	720
12 RC NO 3	S FK COQUILLE	OREG	2 700	20 200	210
EDEN RIDGE	S FK COQUILLE	OREG	<u>67 500</u>	<u>163 000</u>	1 515
			86 700	327 500	
ROGUE					
COPPER CANYON	ROGUE	OREG	300 000	1 142 000	450
BALD MOUNTAIN	ILLINOIS	OREG	92 000	360 000	432
KERBY	ILLINOIS	OREG	9 400	51 000	180
SUCKER CREEK	ILLINOIS	OREG	3 600	14 100	227
RAMEY FALLS	ROGUE	OREG	100 000	430 000	300
AMENT	ROGUE	OREG	4 800	28 400	30
ROCK POINT	ROGUE	OREG	2 900	17 100	18
GOLD HILL	ROGUE	OREG	10 500	61 700	65
GREEN SPRINGS	EMIGRANT CR	OREG	16 000	63 300	1 775
REESE CREEK	ROGUE	OREG	6 700	46 600	120
LEWIS CREEK	ROGUE	OREG	34 400	152 000	242
MCNEIL CREEK	BUTTE CR	OREG	3 600	30 400	360
CASCADE	ROGUE	OREG	25 100	160 000	282
A PROPECT NO 2	ROGUE	OREG	16 000	58 400	606
RITER CREEK	ROGUE	OREG	9 600	58 800	200
TOP CREEK	ROGUE	OREG	6 800	41 300	140
UNION CREEK	ROGUE	OREG	12 000	73 700	280
CASTLE CREEK	ROGUE	OREG	8 500	52 500	200
HAMAKER	ROGUE	OREG	<u>3 000</u>	<u>18 500</u>	200
			664 900	2 859 800	
<u>NORTH PACIFIC TOTAL</u>			<u>37 129 700</u>	<u>147 213 600</u>	
<u>SOUTH PACIFIC</u>					
SMITH					
GASTQUET	N FK SMITH	CALIF	50 000	200 000	400
ROCKLAND	N FK SMITH	CALIF	40 000	200 000	450
DIAMOND CREEK	DIAMOND CR	CALIF	<u>10 000</u>	<u>60 000</u>	1 000
			100 000	460 000	
KLAMATH					
ELTAPOM	S FK TRINITY	CALIF	52 000	266 000	324
HAY FORK	HAI FORK BR	CALIF	26 000	132 000	680
SULPHUR GLADE	S FK TRINITY	CALIF	94 000	355 000	1 007
HELENA	TRINITY	CALIF	42 000	248 000	468
LEWISTON	TRINITY	CALIF	300	2 600	60
TRINITY	TRINITY	CALIF	100 000	357 000	488
MOREHOUSE	SALMON	CALIF	90 000	346 000	560
RUSSIANVILLE	N FK SALMON	CALIF	7 500	30 000	645
MATTHEWS	S FK SALMON	CALIF	13 000	44 000	640
HAPPY CAMP	KLAMATH	CALIF	135 000	787 000	-
HAMBURG	KLAMATH	CALIF	67 000	384 000	388
SCOTT VALLEY	SCOTT	CALIF	50 000	200 000	740
SALT CAVES	KLAMATH	OREG	70 000	367 000	425
BIG BEND NO 3	KLAMATH	OREG	22 000	110 000	130
KENO	KLAMATH	OREG	48 000	250 000	291
IRON GATE	KLAMATH	CALIF	25 000	150 000	158
WARM SPRINGS	KLAMATH	CALIF	<u>30 000</u>	<u>123 000</u>	150
			871 800	4 151 600	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MAD					
ESSEX	MAD	CALIF	10 000	50 000	70
CANYON CREEK	MAD	CALIF	12 000	68 000	150
BUTLER VALLEY	MAD	CALIF	10 000	44 000	95
GOLD ROCK	MAD	CALIF	15 000	78 000	274
BIG BEND	MAD	CALIF	60 000	300 000	1 360
PILOT CREEK	MAD	CALIF	10 000	50 000	290
			117 000	590 000	
EEL					
BRIDGEVILLE	VAN DUZEN	CALIF	40 000	200 000	615
FORKS	VAN DUZEN	CALIF	30 000	140 000	564
YAGER CREEK	YAGER CR	CALIF	7 000	30 000	156
DYERVILLE	EEL	CALIF	12 000	75 000	45
TUTTLE	EEL	CALIF	40 000	200 000	220
HOLLOW TREE	S FK EEL	CALIF	20 000	90 000	210
BRANSCOMB	S FK EEL	CALIF	8 000	35 000	610
SEQUOIA	EEL	CALIF	40 000	240 000	500
MINA NO 2	N FK EEL	CALIF	14 900	103 000	410
MINA NO 1	N FK EEL	CALIF	9 700	65 400	300
HULL CREEK	HULL CR	CALIF	14 900	123 000	1 300
CASOOSE CREEK	CASOOSE CR	CALIF	14 900	119 000	1 340
ETSEL	M FK EEL	CALIF	25 200	166 000	365
			276 600	1 586 400	
RUSSIAN					
EAST FORK	E FK RUSSIAN	CALIF	7 000	59 000	134
R POTTER VALLEY	E FK RUSSIAN	CALIF	27 000	196 000	565
			34 000	255 000	
<u>SACRAMENTO BASIN</u>					
PUTAH CREEK					
MONTICELLO AFTBAY	PUTAH CR	CALIF	10 800	118 000	70
MONTICELLO	PUTAH CR	CALIF	100 000	409 000	240
SNELL	PUTAH CR	CALIF	110 000	405 000	240
NOYES	PUTAH CR	CALIF	130 000	452 000	247
JERUSALEM	PUTAH CR	CALIF	75 000	253 000	139
STIENHART	SODA CR	CALIF	137 000	517 000	272
			562 800	2 154 000	
AMERICAN					
SALMON FALLS	S FK AMERICAN	CALIF	12 000	40 000	74
COLOMA	S FK AMERICAN	CALIF	45 000	130 000	310
KELSEY	S FK AMERICAN	CALIF	12 000	40 000	150
WHITE ROCK	S FK AMERICAN	CALIF	46 000	221 000	855
CAMINO	S FK AMERICAN	CALIF	57 000	258 000	1 054
JAYBIRD	SILVER CREEK	CALIF	129 200	459 000	1 545
UNION VALLEY RES	SILVER CR	CALIF	18 000	72 500	391
ALDER RESERVOIR	ALDER CR	CALIF	20 000	104 000	1 445
KYBURZ	S FK AMERICAN	CALIF	20 000	120 000	1 055
ECHO	S FK AMERICAN	CALIF	4 000	17 500	850
AUBURN	N FK AMERICAN	CALIF	45 000	250 000	373
A WISE	AUBURN RAVINE	CALIF	10 000	5 700	519
VOLCANO	M FK AMERICAN	CALIF	8 000	42 000	172
AMERICAN BAR	M FK AMERICAN	CALIF	5 000	25 400	108
RALSTON NO 2	RUBICON	CALIF	81 000	390 000	1 970
LOON LAKE NO 2	GERLE CR	CALIF	5 000	26 000	560
LOON LAKE NO 1	S FK RUBICON	CALIF	7 000	32 800	792
LOWER HELL HOLE	RUBICON	CALIF	18 000	78 300	447
FRENCH MEADOW	RUBICON	CALIF	11 000	52 300	654
RALSTON NO 1	M FK AMERICAN	CALIF	38 000	177 000	940
A HALSEY	DRY CREEK	CALIF	3 500	6 400	331
INDIAN CREEK	N FK AMERICAN	CALIF	10 000	40 300	200
COLFAX NO 3	N FK AMERICAN	CALIF	25 000	99 000	695
PIONEER NO 2	N FK AMERICAN	CALIF	15 000	58 900	805
TADPOLE NO 1	N FK AMERICAN	CALIF	4 500	17 600	1 460
			649 200	2 763 700	
FEATHER					
WALDO	DRY CR	CALIF	18 700	90 000	-
ROLLINS	BEAR	CALIF	11 000	57 500	240
A DUTCH FLAT	BEAR	CALIF	22 000	80 000	-
CHICAGO PARK	BEAR	CALIF	33 500	120 000	488
A DRUM	BEAR	CALIF	68 000	276 000	1 375
A DEER CREEK	DEER CR	CALIF	8 100	31 000	857

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
R	FEATHER CONTO					
	PARKS BAR	YUBA	CALIF	48 000	172 000	270
	JONES BAR	S FK YUBA	CALIF	23 700	78 000	775
	DEVILS SLIDE	S FK YUBA	CALIF	33 600	100 000	935
A	SPAULDING NO 2	S FK YUBA	CALIF	2 300	14 800	344
	LAKE VALLEY	S FK YUBA	CALIF	17 500	62 000	812
A	SPAULDING NO 3	S FK YUBA	CALIF	3 200	9 300	318
R	BULLARDS BAR	N FK YUBA	CALIF	98 500	800 000	450
	WAMBO	N FK YUBA	CALIF	17 700	116 000	413
	RAMSHORN	N FK YUBA	CALIF	14 800	82 400	384
	DOWNVILLE	N FK YUBA	CALIF	32 800	135 000	1 336
	SIERRA CITY	N FK YUBA	CALIF	2 100	7 200	303
	SARDINE UNIT	N FK YUBA	CALIF	13 000	102 000	1 659
	THERMALITO	THERMALITO CANAL	CALIF	195 000	301 000	103
	THERMALITO DIVR	FEATHER	CALIF	2 700	0	93
	KELLY RIDGE	FEATHER	CALIF	9 000	20 000	665
R	OROVILLE	FEATHER	CALIF	1 148 000	1 787 000	615
	FORBESTOWN	S FK FEATHER	CALIF	28 800	113 000	823
	WOODLEAF	S FK FEATHER	CALIF	52 200	187 000	1 720
	BALD ROCK NO 5	M FK FEATHER	CALIF	70 000	202 000	710
	MILLSEP NO 4	M FK FEATHER	CALIF	50 000	211 000	740
	HARTMAN NO 3	M FK FEATHER	CALIF	40 000	183 000	640
	SHERMAN NO 2	M FK FEATHER	CALIF	40 000	202 000	710
	NELSON POINT NO 1	M FK FEATHER	CALIF	20 000	102 000	360
	SWAYNE	N FK FEATHER	CALIF	84 000	300 000	1 450
	BELDEN	YELLOW CREEK	CALIF	117 000	390 000	770
	YELLOW CREEK	YELLOW CR	CALIF	25 000	164 000	1 905
	INDIAN FALLS	E BR N FK FEATHER	CALIF	25 000	126 000	685
	SQUAW QUEEN	LAST CHANCE CR	CALIF	14 000	51 900	1 680
	MEADOW VALLEY	SPANISH CR	CALIF	125 000	503 000	1 675
				2 514 200	7 196 100	
R	BUTTE CREEK	BUTTE CR	CALIF	15 600	94 000	590
	CENTERVILLE	BUTTE CR	CALIF	8 000	45 000	1 015
A	DESABLA NO 1	BUTTE CR	CALIF	24 000	133 000	1 532
	DESABLA NO 2			47 600	272 000	
	STONE CREEK					
	NEWVILLE	N FK STONEY CR	CALIF	8 500	33 000	188
				8 500	33 000	
	DEER CREEK					
	DEER CREEK NO 4	DEER CR	CALIF	5 500	29 700	198
	DEER CREEK NO 3	DEER CR	CALIF	35 400	174 000	1 070
	DEER CREEK NO 2	DEER CR	CALIF	27 100	135 000	828
	DEER CREEK NO 1	DEER CR	CALIF	29 200	118 000	1 618
				97 200	456 700	
	ANTELOPE CREEK					
	ANTELOPE CREEK 3	ANTELOPE CR	CALIF	5 700	32 200	342
	ANTELOPE CREEK 2	ANTELOPE CR	CALIF	4 000	22 400	279
	ANTELOPE CREEK 1	ANTELOPE CR	CALIF	6 500	45 600	1 150
				16 200	100 200	
	SACRAMENTO MAIN STREAM					
	IRON CANYON	SACRAMENTO	CALIF	200 000	1 700 000	140
				200 000	1 700 000	
	WEST SIDE CANAL					
	DUNNIGAN	WEST SIDE CANAL	CALIF	76 000	600 000	68
	WILLOWS	WEST SIDE CANAL	CALIF	90 000	700 000	80
				166 000	1 300 000	
	COTTONWOOD CREEK					
	COTTONWOOD	COTTONWOOD CR	CALIF	400 000	1 500 000	120
	FIDDLERS	M FK COTTONWOOD	CALIF	8 000	45 000	300
				408 000	1 545 000	
	CLEAR CREEK					
	SAELTZER	CLEAR CR	CALIF	330 000	1 110 000	148
	KANAKA	CLEAR CR	CALIF	1 025 000	3 420 000	-
	CLEAR CREEK PH	CLEAR CR	CALIF	134 000	437 000	712
				1 489 000	4 967 000	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE		RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
SPRING CREEK SPRING CREEK PH		SPRING CR	CALIF	150 000 150 000	503 000 503 000	646
PIT						
PIT NO 7		PIT	CALIF	98 000	333 000	205
PIT NO 6		PIT	CALIF	74 000	291 000	155
MCCLLOUD PIT		PIT	CALIF	155 700	640 000	1 217
SUGAR LOAF		HAT CR	CALIF	5 000	42 000	595
PIT NO 2		PIT	CALIF	14 000	95 000	103
				346 700	1 401 000	
<u>SACRAMENTO BASIN TOTAL</u>				<u>6 655 400</u>	<u>24 391 700</u>	
<u>SAN JOAQUIN BASIN</u>						
A	MOKELUMNE					
	NASHVILLE	COSUMNES	CALIF	15 000	62 000	465
	CAMANCHE	MOKELUMNE	CALIF	6 000	30 000	107
	PARDEE	MOKELUMNE	CALIF	7 500	30 000	335
	MIDDLE BAR	MOKELUMNE	CALIF	18 000	90 000	115
	JESUS MARIA	JESUS MARIA	CALIF	10 000 56 500	56 000 268 000	1 200
STANISLAUS						
R	NEW MELONES	STANISLAUS	CALIF	34 000	135 000	460
R	MURPHYS	ANGELS CR	CALIF	6 000	13 000	685
A	PHOENIX	SULLIVAN CR	CALIF	13 000	52 000	1 180
R	STANISLAUS	STANISLAUS	CALIF	53 000	160 000	1 526
	COLLIERVILLE	STANISLAUS	CALIF	193 000	725 000	-
	SAND BAR	M FK STANISLAUS	CALIF	10 000	44 000	220
	HIGH BEARDSLEY	M FK STANISLAUS	CALIF	17 000	109 000	2 300
	DARDANELLES	M FK STANISLAUS	CALIF	6 000	42 700	300
	SQUAW HOLLOW	N FK STANISLAUS	CALIF	140 000	525 000	-
	MORAN CREEK	MORAN CR	CALIF	6 000	33 000	575
				478 000	1 838 700	
TUOLUMNE						
R	DON PEDRO	TUOLUMNE	CALIF	73 000	192 000	515
A	MOCCASIN CREEK	MOCCASIN CR	CALIF	30 000	17 000	1 316
	BIG HUMBUG CREEK	TUOLUMNE	CALIF	8 000	55 000	233
	MOUTH OF CLAVEY	TUOLUMNE	CALIF	9 500	62 000	265
	CLAVEY R DIVR	TUOLUMNE	CALIF	13 500	100 000	1 935
	SOUTH FORK P H 1	S FK TUOLUMNE	CALIF	13 000	31 600	824
R	CHERRY CREEK	TUOLUMNE	CALIF	96 400	502 000	2 000
	HETCH HETCHY	TUOLUMNE	CALIF	75 000 318 400	424 000 1 383 600	1 145
MERCED						
R	SNELLING	MERCED	CALIF	21 600	54 000	100
R	EXCHEQUER	MERCED	CALIF	56 000	150 000	459
	BAGBY	MERCED	CALIF	50 000	140 000	400
	SNOW CREEK	SNOW CR	CALIF	15 000 142 600	50 000 394 000	1 150
SAN JOAQUIN MAIN STREAM						
A	BIG CREEK NO 3	SAN JOAQUIN	CALIF	31 500	0	827
	WEST SIDE PP 8A	SAN JOAQUIN	CALIF	36 000	315 000	715
	MAMMOTH RESERVOIR	SAN JOAQUIN	CALIF	125 000	500 000	1 100
	CHIUQUITO	SAN JOAQUIN	CALIF	30 000	123 000	1 670
	FORKS	SAN JOAQUIN	CALIF	35 000 257 500	149 000 1 087 000	570
M FK SAN JOAQUIN MILLER BRIDGE		M FK SAN JOAQUIN	CALIF	30 000 30 000	140 000 140 000	900
<u>SAN JOAQUIN BASIN TOTAL</u>				<u>1 283 000</u>	<u>5 111 300</u>	

SEE FOOTNOTES AT END OF TABLE

TABLE 8 (Contd) - UNDEVELOPED By Major Drainages and River Basins

DRAINAGE AND RIVER BASIN NAME OF PROJECT OR SITE	RIVER	STATE	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
TULARE LAKE	KINGS	CALIF	150 000	326 000	386
PINE FLAT	KINGS	CALIF	120 000	270 000	450
KELLERS RANCH	KINGS	CALIF	44 100	129 600	788
KINGS RIVER	DINKEY CR	CALIF	25 000	123 000	1 800
ROSS	DINKEY CR	CALIF	25 000	103 000	1 850
DINKEY CREEK	HELMS CR	CALIF	41 000	166 000	1 610
HELMS	KINGS	CALIF	70 000	257 000	880
JUNCTION	S FK KINGS	CALIF	60 000	298 000	2 140
CEDAR GROVE	S FK KINGS	CALIF	40 000	219 000	2 048
PARADISE VALLEY	M FK KINGS	CALIF	50 000	245 000	1 740
TEHIPITE VALLEY	M FK KINGS	CALIF	60 000	368 000	1 844
SIMPSON MEADOW	KAWEAH	CALIF	10 000	40 000	174
TERMINUS			695 100	2 544 600	
BUENA VISTA LAKE					
A KERN CANYON	KERN	CALIF	23 500	80 000	262
A KERN RIVER NO 1	KERN	CALIF	5 000	68 000	877
A BOREL	KERN	CALIF	7 000	34 000	270
ONYX	S FK KERN	CALIF	15 000	69 000	1 720
ROCKHOUSE	S FK KERN	CALIF	10 000	38 000	990
KERN RIVER NO 8	S FK KERN	CALIF	5 000	38 000	460
MONACHE	S FK KERN	CALIF	10 000	52 500	1 660
A KERN RIVER NO 3	KERN	CALIF	28 000	153 000	821
JUNCTION	KERN	CALIF	60 000	350 000	1 040
LITTLE KERN	KERN	CALIF	40 000	236 000	955
KERN LAKE	KERN	CALIF	25 000	180 000	950
			228 500	1 298 500	
SANTA CLARA					
SESPE 3 PLANTS	SESPE CR	CALIF	23 000	70 000	1 610
			23 000	70 000	
SANTA ANA					
FOREST HOME	MILL CR	CALIF	3 000	16 000	2 080
POWER HOUSE NO 3	BEAR CR	CALIF	4 000	15 800	620
POWER HOUSE NO 2	BEAR CR	CALIF	3 600	24 000	1 200
POWER HOUSE NO 1	BEAR CR	CALIF	3 600	17 500	1 220
			14 200	73 300	
<u>SOUTH PACIFIC TOTAL</u>			<u>10 298 600</u>	<u>40 532 400</u>	
<u>UNITED STATES TOTAL (EXCLUDING ALASKA AND HAWAII)</u>			<u>95 301 000</u>	<u>361 682 500</u>	

- A. ADDITIONAL POSSIBLE CAPACITY AND CORRESPONDING INCREMENTAL AVERAGE ANNUAL GENERATION AT EXISTING PLANT
- B. BLOCK OF UNDEVELOPED POWER IN REACH OF RIVER BETWEEN DESIGNATED POINTS. HEAD IS AGGREGATE UNDEVELOPED HEAD IN REACH.
- R. REDEVELOPMENT OF PRESENTLY DEVELOPED SITE. CAPACITY AND AVERAGE ANNUAL GENERATION ARE INCREMENTAL QUANTITIES RESULTING FROM REDEVELOPMENT. HEAD SHOWN IS HEAD RESULTING FROM REDEVELOPMENT.
- U. ADDITIONAL POSSIBLE AVERAGE ANNUAL GENERATION AT EXISTING PLANT RESULTING FROM FUTURE CONSTRUCTION OF ADDITIONAL UPSTREAM STORAGE.
- 1/ THE PASSAMAQUODDY TIDAL PROJECT (300,000 KW TOTAL) IS PLANNED WITH ONE-HALF IN U. S. AND ONE-HALF IN CANADA. NOT CONSIDERED AS CONVENTIONAL RIVER DEVELOPMENT.
- 2/ THE FOLLOWING SITES PROPOSED WITH PUMPED STORAGE UNITS IN ADDITION TO CONVENTIONAL UNITS. PUMPED STORAGE ONLY SITES NOT INCLUDED IN THIS INVENTORY. FOR DISCUSSION OF PUMPED STORAGE SEE PAGE

PLANT	PUMPED STORAGE CAPACITY - KW	TOTAL CAPACITY - KW
NIAGARA FALLS, NEW YORK	240,000	2,190,000
SMITH MOUNTAIN, VIRGINIA	85,000	285,000
MUSCATINE, IOWA	30,000	60,000
BEE MOUNTAIN, TEXAS	63,400	144,200
DE CORDOVA BEND, TEXAS	78,600	140,200
HIGHTOWER, TEXAS	48,400	86,200
INSPIRATION POINT, TEXAS	59,600	105,900
TURKEY CREEK	55,200	97,800
MORRIS SHEPPARD, TEXAS	A 18,000	40,500 (22,500 EXISTING)
GOBLE CREEK, GEORGIA	300,000	360,000

TABLE 9. - ESTIMATED INSTALLED CAPACITY AND AVERAGE ANNUAL GENERATION
OF UNDEVELOPED HYDROELECTRIC POWER SITES - JANUARY 1, 1960

Totals by Geographic Divisions and States					
Division and state	Installed capacity Kw	Avg. annual generation 1000 Kwh	Division and state	Installed capacity Kw	Avg. annual generation 1000 Kw
United States (excluding Alaska & Hawaii)	95,301,000	361,682,500			
New England	2,857,900	9,361,700	South Atlantic		
Middle Atlantic	7,465,400	25,614,800	Delaware	0	0
East North Central	3,047,600	12,589,700	Maryland	360,000	1,014,000
West North Central	6,542,600	25,694,800	District of Columbia	0	0
South Atlantic	8,388,000	24,060,300	Virginia	1,476,400	4,471,100
East South Central	4,612,500	14,078,400	West Virginia	2,161,000	7,900,000
West South Central	3,887,100	9,705,500	North Carolina	1,326,900	2,390,900
Mountain	23,243,300	95,491,200	South Carolina	788,300	2,491,600
Pacific	35,256,600	145,086,100	Georgia	2,215,400	5,692,700
			Florida	60,000	100,000
New England			East South Central		
Maine	1,407,100	5,660,600	Kentucky	1,724,500	5,443,300
New Hampshire	594,500	1,336,300	Tennessee	333,300	1,173,700
Vermont	453,700	1,109,800	Alabama	2,144,800	5,642,500
Massachusetts	244,500	681,000	Mississippi	409,900	1,818,900
Rhode Island	0	0			
Connecticut	158,100	574,000	West South Central		
Middle Atlantic			Arkansas	1,562,400	4,260,200
New York	3,935,400	17,517,700	Louisiana	45,500	179,200
New Jersey	225,000	785,000	Oklahoma	793,400	2,644,400
Pennsylvania	3,305,000	7,312,100	Texas	1,485,800	2,621,700
East North Central			Mountain		
Ohio	342,000	1,648,000	Montana	6,222,300	24,249,600
Indiana	755,000	3,468,000	Idaho	8,957,000	33,697,400
Illinois	1,211,800	4,820,400	Wyoming	971,900	4,375,400
Michigan	328,100	994,600	Colorado	1,776,700	8,209,200
Wisconsin	410,700	1,658,700	New Mexico	181,500	813,000
West North Central			Arizona	3,936,700	18,952,600
Minnesota	230,900	1,106,500	Utah	1,072,200	5,036,600
Iowa	433,400	1,850,400	Nevada	125,000	157,400
Missouri	2,837,800	11,588,300	Pacific		
North Dakota	358,800	1,391,500	Washington	19,133,600	79,430,800
South Dakota	1,721,500	5,041,200	Oregon	5,823,500	25,123,300
Nebraska	670,200	3,294,900	California	10,299,500	40,532,000
Kansas	290,000	1,422,000			

**TABLE 10 - INDIVIDUAL UNDEVELOPED HYDROELECTRIC POWER SITES
WITH PRINCIPAL CHARACTERISTICS - JANUARY 1, 1960**

By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
<u>NEW ENGLAND</u>					
MAINE					
	CASTLE HILL	AROOSTOOK	18 000	70 000	60
	FISH RIVER FALLS	FISH	7 500	32 000	45
	RANKIN RAPIDS	ST JOHN	230 000	900 000	255
	MILLTOWN	ST CROIX	4 500	27 000	50
	PASSAMAQUODDY TIDAL PROJECT ^{1/}	PASSAMAQUODDY BAY	150 000	900 000	22
	UPPER HOLMES	MACHIAS	15 000	27 000	101
	ELLSWORTH FALLS	UNION	4 000	10 000	22
R	BASIN MILLS	PENOBSCOT	9 700	78 000	27
	BANGOR DIVERSION	PENOBSCOT	40 000	223 000	115
	SUNKHAZE RAPIDS	PENOBSCOT	12 000	95 000	28
A	HOWLAND	PISCATAQUIS	600	3 000	16
	BONNIE BROOK	PISCATAQUIS	20 000	76 000	91
A	STANFORD	PENOBSCOT	6 000	51 000	20
	MOHAWK RAPIDS	PENOBSCOT	8 000	62 000	16
	WINN	PENOBSCOT	12 000	89 000	23
	STRATTON RIPS	MATTAWAMKEAG	40 000	170 000	140
A	MATTASEUNK	PENOBSCOT	4 300	8 000	40
	DEBSCONAEG	W BR PENOBSCOT	15 000	69 000	58
	SOURDNAHUNK	W BR PENOBSCOT	24 000	109 000	95
	THE ARCHES	W BR PENOBSCOT	22 500	94 000	90
	MEADOW BROOK	E BR PENOBSCOT	12 000	48 000	50
	WHETSTONE FALLS	E BR PENOBSCOT	30 000	117 000	135
	GRAND FALLS	SEBOOIS STR	6 000	28 000	50
	SAWTELLE FALLS	SAWTELLE BR	15 000	59 000	140
	GRAND PITCH	WEBSTER BR	5 000	22 000	90
R	AUGUSTA	KENNEBEC	2 400	9 000	22
A	WATERVILLE LOWER	KENNEBEC	2 100	9 000	21
A	WATERVILLE UPPER	KENNEBEC	1 600	11 000	23
A	SHAWMUT	KENNEBEC	2 000	14 000	23
A	WESTON	KENNEBEC	3 000	11 000	32
	GREENLEAF	SANDY	10 000	42 000	120
R	MADISON HIGH	KENNEBEC	22 400	142 000	64
	NEW PORTLAND	CARRABASSETT	6 000	20 000	75
	NORTH ANSON	KENNEBEC	10 000	54 000	29
	PIERCE POND DIVR	KENNEBEC	180 000	383 000	690
	THE FORKS	KENNEBEC	48 000	166 000	110
	COLD STREAM	KENNEBEC	90 000	259 000	195
	MOOSEHEAD LAKE	KENNEBEC	24 000	67 000	64
R	BRUNSWICK	ANDROSCOGGIN	18 000	61 000	33
R	PEJEPSCOT	ANDROSCOGGIN	10 000	52 000	22
R	WORUMBO	ANDROSCOGGIN	14 100	67 000	48
R	LEWISTON	ANDROSCOGGIN	15 000	78 000	55
A	DEER RIPS	ANDROSCOGGIN	5 000	25 000	31
R	GULF ISLAND	ANDROSCOGGIN	10 000	38 000	68
R	RAM ISLAND	ANDROSCOGGIN	30 000	68 000	49
R	LIVERMORE FALLS	ANDROSCOGGIN	18 000	74 000	42
R	OTIS	ANDROSCOGGIN	9 000	44 000	24
R	JAY	ANDROSCOGGIN	14 000	62 000	34
	DIXFIELD	ANDROSCOGGIN	10 000	49 000	25
R	RUMFORD LOWER	ANDROSCOGGIN	28 000	92 000	80
	GILEAD	ANDROSCOGGIN	16 000	61 000	40
	AZISCOHOS	MAGALLOWAY	10 000	49 000	245
	RICHARDSON	RAPID	8 000	60 000	178
R	KENNEBAGO	KENNEBAGO	4 000	30 000	309
	CATARACT	SACO	10 000	40 000	43

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MAINE CONTD					
A	WEST BUXTON	SACO	5 400	16 000	27
A	BONNY EAGLE	SACO	7 800	26 000	38
	STEEP FALLS	SACO	15 000	48 000	38
R	GREAT FALLS	SACO	37 200	66 600	111
			1 407 100	5 660 600	
NEW HAMPSHIRE					
A	RUMFORD UPPER	ANDROSCOGGIN	17 000	29 000	105
A	GORHAM	ANDROSCOGGIN	2 500	7 000	18
	PULSIFER RIPS	ANDROSCOGGIN	6 000	43 000	40
	BERLIN	ANDROSCOGGIN	75 000	60 000	370
	PONTOOK	ANDROSCOGGIN	24 000	95 000	80
	MOLLIDGE WOCK	ANDROSCOGGIN	22 500	54 000	45
	ERROL	ANDROSCOGGIN	24 000	57 000	55
	MOORES FALLS	MERRIMACK	30 000	110 000	35
A	AMOSKEAG	MERRIMACK	22 000	28 000	46
A	HOOKSETT	MERRIMACK	7 400	20 000	14
A	GARVINS	MERRIMACK	13 500	15 300	30
A	SEWALLS FALLS	MERRIMACK	6 000	13 000	16
	RIVER HILL	CONTOOCOOK	20 000	64 000	114
	BLACKWATER	BLACKWATER	12 000	21 000	218
	ROBY	WARNER	2 000	8 000	140
	LONG FALLS	CONTOOCOOK	12 000	36 000	118
	STODDARD NO 1	N BR CONTOOCOOK	6 000	7 000	268
	WEST PETERBORO	CONTOOCOOK	1 000	2 000	100
	TILTON	WINNIPESAUKEE	14 000	34 000	92
R	EASTMAN FALLS	PEMIGEWASSET	10 000	21 000	55
	SMITH RIVER DIVR	NEWFOUND	100 000	175 000	257
A	AYERS ISLAND	PEMIGEWASSET	6 600	7 000	80
	LIVERMORE FALLS	PEMIGEWASSET	24 000	70 000	149
	HINSDALE	ASHUELOT	20 000	50 000	160
	OTTER BROOK	OTTER BROOK	4 000	8 000	230
	BALD HILL	ASHUELOT	16 000	22 000	278
A	VERNON	CONNECTICUT	20 000	35 000	34
	CLAREMONT	SUGAR	5 000	18 000	120
	NORTHVILLE	SUGAR	8 000	36 000	250
	LAKE MASCOMA	MASCOMA	4 000	15 000	150
S	WELLS RIVER	CONNECTICUT	10 000	30 000	29
	BATH NO 2	AMMONOOSUC	10 000	25 000	65
	BATH NO 1	AMMONOOSUC	6 000	15 000	55
	SWIFTWATER	AMMONOOSUC	2 000	15 000	250
S	COOS	CONNECTICUT	12 000	50 000	120
	INDIAN STREAM	CONNECTICUT	20 000	41 000	150
			594 500	1 336 300	
VERMONT					
	SALEM POND	CLYDE	3 000	8 000	85
R	PENSIONER POND	CLYDE	3 900	6 000	187
R	HIGHGATE FALLS	MISSISQUOI	4 800	20 000	76
	HIGHGATE	MISSISQUOI	7 000	26 000	42
R	SHELDON SPRINGS	MISSISQUOI	6 000	39 000	106
R	ENOSBURG FALLS	MISSISQUOI	1 600	7 000	20
	EAST RICHFORD	MISSISQUOI	3 000	10 000	37
R	JAY BRANCH	JAY BR	6 700	17 000	166
A	PETERSON	LAMOILLE	2 500	5 000	52
A	MILTON	LAMOILLE	10 000	22 000	100

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
VERMONT CONTD					
A	CLARKS FALLS	LAMOILLE	4 000	8 000	42
	EAST GEORGIA	LAMOILLE	6 000	23 000	45
A	FAIRFAX	LAMOILLE	2 600	8 000	86
	GARFIELD	GREEN	4 500	4 000	486
R	BURLINGTON	WINOOSKI	6 000	30 000	54
R	WINOOSKI GORGE 18	WINOOSKI	6 000	15 000	43
A	ESSEX NO 19	WINOOSKI	1 300	4 000	65
	HUNTINGTON	HUNTINGTON	4 500	13 000	283
	BOLTON GORGE	WINOOSKI	6 500	31 000	62
	MORETOWN	MAD	2 700	9 000	91
	WRIGHTSVILLE	NORTH BR	4 000	7 000	156
	EAST BARRE	JAIL BR	3 000	10 000	500
R	MONTPELIER	WINOOSKI	3 400	14 000	105
R	VERGENNES	OTTER CR	3 400	15 000	37
A	WEYBRIDGE	OTTER CR	3 500	16 000	32
R	HUNTINGTON FALLS	OTTER CR	15 000	47 000	135
	NEW HAVEN MILLS	NEW HAVEN	2 300	5 000	90
A	LOWER MIDDLEBURY	OTTER CR	1 100	6 000	30
A	UPPER MIDDLEBURY	OTTER CR	2 800	10 000	23
	RIPTON	MIDDLEBURY	4 000	18 000	630
A	PROCTOR	OTTER CR	4 000	14 000	117
	TINMOUTH	CLARENDON	4 000	8 000	510
	RAKE BRANCH	DEERFIELD	4 000	7 000	120
	WILLIAMSVILLE	WEST	145 000	84 000	224
	BALL MOUNTAIN	WEST	20 000	70 000	340
U	BELLOWS FALLS	CONNECTICUT	0	60 000	62
R	SPRINGFIELD	BLACK	6 500	20 800	122
	PERKINSVILLE	BLACK	10 000	30 000	220
	HART ISLAND	CONNECTICUT	25 200	109 000	28
	GAYSVILLE	WHITE	10 700	33 000	139
A	WILDER	CONNECTICUT	16 200	13 000	53
	UNION VILLAGE	OMPOMPANOSUC	2 000	8 000	100
	BRADFORD	WAITS	3 000	10 000	76
	SOUTH BRANCH	WAITS	4 000	11 000	250
S	WELLS RIVER	CONNECTICUT	10 000	30 000	29
	BOLTONVILLE NO 2	WELLS	2 000	8 000	100
	BOLTONVILLE NO 1	WELLS	2 000	5 000	67
	GROTON POND	WELLS	2 000	4 000	250
	EAST BARNET	PASSUMPSIC	4 000	13 000	35
R	PASSUMPSIC	PASSUMPSIC	2 000	3 000	26
R	GAGE	PASSUMPSIC	2 000	4 000	25
R	ARNOLD	PASSUMPSIC	3 000	9 000	37
R	LYNDONVILLE	PASSUMPSIC	3 000	10 000	80
	EAST BURKE	PASSUMPSIC	4 000	8 000	140
S	COOS	CONNECTICUT	12 000	50 000	120
	BROWNS MILL	PAUL STREAM	9 000	15 000	327
	BLOOMFIELD	NULHEGAN	3 000	8 000	100
R	CANAAN	CONNECTICUT	6 000	12 000	50
			453 700	1 109 800	
MASSACHUSETTS					
R	ESSEX DAM	MERRIMACK	2 200	15 000	30
R	PAWTUCKET DAM	MERRIMACK	8 600	49 000	37
	HUNTINGTON	WESTFIELD	6 000	25 000	115
	KNIGHTVILLE	WESTFIELD	10 000	20 000	115
A	HADLEY FALLS	CONNECTICUT	45 000	150 000	54

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MASSACHUSETTS CONTD					
	MEADOW	DEERFIELD	12 700	42 000	61
	CHARLEMONT	DEERFIELD	20 000	50 000	105
	ZOAR	DEERFIELD	20 000	50 000	140
R	TURNERS FALLS	CONNECTICUT	60 000	150 000	82
	ERVING	MILLERS	30 000	80 000	290
	TULLY	MILLERS	20 000	30 000	177
	SOUTH ROYALSTON	MILLERS	10 000	20 000	126
			244 500	681 000	
RHODE ISLAND					
			0	0	
			0	0	
CONNECTICUT					
	ENFIELD RAPIDS	CONNECTICUT	62 100	262 000	33
	THOMASTON	NAUGATUCK	3 000	13 000	111
R	SHELTON	HOUSATONIC	13 000	40 000	32
	ROXBURY	SHEPAUG	7 500	27 000	157
	STEEP ROCK	SHEPAUG	6 000	19 000	150
	BOARDMAN	HOUSATONIC	10 000	35 000	35
	KENT FURNACE	HOUSATONIC	25 000	76 000	95
	WEST CORNWALL	HOUSATONIC	6 500	22 000	30
	MT PROSPCT CAANAN	HOUSATONIC	25 000	80 000	121
			158 100	574 000	
	<u>NEW ENGLAND TOTAL</u>		<u>2 857 900</u>	<u>9 361 700</u>	
MIDDLE ATLANTIC					
NEW YORK					
R	CARVER FALLS	POULTNEY	3 600	13 000	160
A	RAINBOW FALLS	AUSABLE	1 400	7 000	92
	ALICE FALLS	AUSABLE	4 000	15 000	48
R	KEESEVILLE	AUSABLE	4 300	17 600	63
	CLINTONVILLE	AUSABLE	2 800	8 800	40
R	ROME	W BR AUSABLE	14 200	46 300	231
	WILMINGTON	W BR AUSABLE	2 400	10 000	144
	CHERRY PATCH	W BR AUSABLE	30 000	60 000	705
A	KENT FALLS	SARANAC	12 000	22 000	162
A	MILL C	SARANAC	4 700	10 000	66
A	CADYVILLE	SARANAC	5 200	12 000	77
A	HIGH FALLS	SARANAC	14 000	27 000	272
	TEFT POND	SARANAC	26 000	58 000	238
R	UNION FALLS	SARANAC	6 300	11 000	112
R	CHATEAUGAY CHASM	CHATEAUGAY	14 500	24 000	280
	CHATEAUGAY MILL	CHATEAUGAY	7 600	15 000	150
	SOUTH CHATEAUGAY	CHATEAUGAY	11 900	23 000	230
	BRAINARDSVILLE	CHATEAUGAY	6 300	12 000	125
R	MACOMB	SALMON	7 800	42 000	300
R	TITUSVILLE	SALMON	22 700	22 000	380
	BRASHER CENTER	ST REGIS	4 300	22 000	32
R	LOWER PARISHVILLE	W BR ST REGIS	9 000	15 000	144
	UPPER PARISHVILLE	W BR ST REGIS	9 000	23 000	112
	SYLVAN FALLS	W BR ST REGIS	16 300	41 000	220
	FIVE MILE	W BR ST REGIS	8 100	21 000	180
	FORT JACKSON	E BR ST REGIS	25 500	71 000	240
	NICHOLVILLE	E BR ST REGIS	26 900	71 000	260
	ST REGIS FALLS	E BR ST REGIS	38 700	98 000	440
A	SUGAR ISLAND	RAQUETTE	20 800	29 000	63
A	HANNAWA	RAQUETTE	25 200	30 000	79

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NEW YORK CONTD					
A	COLTON	RAQUETTE	87 400	108 000	283
A	HIGLEY FALLS	RAQUETTE	12 100	13 000	42
	MOOSEHEAD RAPIDS	RAQUETTE	29 000	66 000	85
A	PIERCEFIELD	RAQUETTE	9 000	12 000	35
R	PYRITES	GRASS	13 300	36 000	130
	JACKSON FALLS	GRASS	7 900	24 000	70
	CLARE	N BR GRASS	25 700	67 000	260
	CLARKSBORO	S BR GRASS	11 600	24 000	200
	RAINBOW FALLS	S BR GRASS	11 700	25 000	200
	COPPER ROCKS FLS	S BR GRASS	7 000	13 000	120
	ELMDALE	OSWEGATCHIE	4 700	24 000	30
R	WEGATCHIE	OSWEGATCHIE	7 000	36 500	50
R	HAILESBORO	OSWEGATCHIE	21 000	96 000	150
R	EMERYVILLE	OSWEGATCHIE	7 700	34 000	60
R	COTTON RAPIDS	E BR OSWEGATCHIE	9 200	32 000	190
	MADISON CHUTE	E BR OSWEGATCHIE	6 400	29 000	102
R	NEWTON FALLS	E BR OSWEGATCHIE	4 400	5 000	100
	GLEN PARK	BLACK	18 400	121 000	78
	FELTS MILLS	BLACK	10 000	85 000	44
	LYONS FALLS	BLACK	11 100	64 000	67
R	SHUETOWN	MOOSE	30 500	119 000	220
	FOWLERSVILLE	MOOSE	30 100	114 000	195
	MOOSE RIVER	MOOSE	18 800	66 000	140
	PULASKI	SALMON	9 900	24 000	85
	FOX BRIDGE	SALMON	15 000	37 000	115
	CENTERVILLE	SALMON	9 100	22 000	70
	ALTMAR	SALMON	8 600	21 000	65
A	LIGHTHOUSE HILL	SALMON	3 800	0	64
A	HIGH DAM	OSWEGO	1 400	4 000	19
R	ROCHESTER UPR FLS	GENESEE	7 400	85 000	120
	POAGS HOLE	CANASERAGA CR	4 000	21 000	210
	CANASERAGA	CANASERAGA CR	8 000	28 000	390
R	MT MORRIS	GENESEE	39 700	92 000	122
	PORTAGE	GENESEE	82 000	230 000	410
A	WATERPORT	OAK ORCHARD CR	2 400	0	78
R	NIAGARA FALLS ^{2/}	NIAGARA	2 190 000	13 000 000	310
	CHAUTAUQUA CREEK	CHAUTAUQUA CR	48 000	108 000	797
	WEBATUCK	TENMILE	5 000	24 000	135
	EDDYVILLE	WALLKILL	2 000	7 400	15
	GARDINER	WALLKILL	4 000	15 900	38
R	STUYVESANT FALLS	KINDERHOOK	2 900	7 200	129
	EAST NASSAU	KINDERHOOK	3 500	15 600	180
A	GREEN ISLAND	HUDSON	9 600	39 000	16
A	CRESCENT	MOHAWK	5 600	23 000	28
	VISCHER FERRY	MOHAWK	5 600	23 000	28
A	INGHAMS	E CANADA CR	3 200	4 800	124
A	DOLGEVILLE	E CANADA CR	2 500	8 000	74
A	TRENTON FALLS	W CANADA CR	23 000	19 000	264
	WILMURT	W CANADA CR	6 300	26 000	100
	MOREHOUSEVILLE	W CANADA CR	7 500	17 000	302
	WATERFORD	HUDSON	15 000	49 800	14
A	LOWER MECHANICVLE	HUDSON	4 900	24 000	18
A	UPPER MECHANICVLE	HUDSON	7 000	15 000	23
	STILLWATER	HUDSON	6 400	20 400	9
R	GREENWICH	BATTEN KILL	7 400	38 000	106
	SHUSHAN	BATTEN KILL	2 100	10 200	65
A	THOMPSON	HUDSON	6 100	28 000	18
	FORT MILLER	HUDSON	5 700	20 400	10
A	FORT EDWARD	HUDSON	3 200	16 400	21
R	HUDSON FALLS	HUDSON	85 900	150 000	80

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NEW YORK CONTD					
A	S GLEN FALLS	HUDSON	18 000	14 300	47
A	FEEDER DAM	HUDSON	1 200	4 000	15
A	SHERMAN ISLAND	HUDSON	8 000	12 000	68
A	SPIER FALLS	HUDSON	40 000	8 000	83
A	PALMER FALLS	HUDSON	59 000	133 000	87
A	CORINTH	HUDSON	17 800	29 000	27
A	E J WEST	SACANDAGA	10 000	8 700	75
	BLACKBRIDGE	W BR SACANDAGA	23 000	59 000	300
	PISECO LAKE	W BR SACANDAGA	22 000	49 000	328
	AUGER FLATS	SACANDAGA	13 000	35 000	340
	LAKE PLEASANT	SACANDAGA	11 000	22 000	316
	HADLEY	HUDSON	82 000	171 000	67
	KETTLE M'N	HUDSON	78 000	182 000	300
	TROUT BROOK	TROUT BROOK	6 800	14 000	260
	CHAIN LAKES	CEDAR	5 300	13 000	90
	OAKLAND VALLEY	NEVERSINK	9 700	46 000	210
	DENTON FALLS	NEVERSINK	14 900	67 000	360
	WOODBURNE	NEVERSINK	3 000	10 300	115
	DELAWARE	MONGAUP	10 000	35 000	160
S	BARRYVILLE	DELAWARE	14 900	62 800	70
S	NARROWSBURG	DELAWARE	7 900	32 000	40
	HANCOCK	E BR DELAWARE	10 300	39 000	65
	EAST BRANCH	E BR DELAWARE	6 100	15 000	83
	LEWBEACH	BEAVERKILL	3 000	9 000	118
	LIVINGSTON	WILLOWEMOC	3 200	9 000	120
	CANONSVILLE	W BR DELAWARE	20 000	67 000	175
	DELHI	LITTLE DELAWARE	4 100	7 300	160
			3 935 400	17 517 700	
NEW JERSEY					
S	YARDLEY	DELAWARE	30 000	145 000	45
S	LUMBERVILLE	DELAWARE	30 000	130 000	50
S	RIEGELVILLE	DELAWARE	30 000	130 000	50
S	CHESTNUT HILL	DELAWARE	20 000	90 000	45
S	BELVIDERE	DELAWARE	85 000	225 000	120
S	WALLPACK BEND	DELAWARE	30 000	65 000	90
			225 000	785 000	
PENNSYLVANIA					
S	YARDLEY	DELAWARE	30 000	145 000	45
S	LUMBERVILLE	DELAWARE	30 000	130 000	50
S	RIEGELVILLE	DELAWARE	30 000	130 000	50
	MAUCH CHUNK	LEHIGH	150 000	325 000	1 060
S	CHESTNUT HILL	DELAWARE	20 000	90 000	45
S	BELVIDERE	DELAWARE	85 000	225 000	120
	FLAT BROOK	FLAT BROOK	230 000	350 000	260
S	WALLPACK BEND	DELAWARE	30 000	65 000	90
S	BARRYVILLE	DELAWARE	14 800	62 800	70
A	WALLPENPAUPACK	LACKAWAXEN	40 000	0	370
S	NARROWSBURG	DELAWARE	8 000	32 000	40
R	HOLTWOOD	SUSQUEHANNA	17 000	181 000	59
A	SAFE HARBOR	SUSQUEHANNA	158 000	0	54
R	SHOCKS MILLS	SUSQUEHANNA	277 900	852 000	60
	MARYSVILLE	SUSQUEHANNA	180 000	523 000	32

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
PENNSYLVANIA CONTD					
VINEYARD		JUNIATA	24 000	93 000	53
RAYSTOWN		RAYSTOWN BR	189 000	120 000	188
HALF FALLS		SUSQUEHANNA	160 000	850 000	75
MUNCY		W BR SUSQUEHANNA	60 000	233 000	38
CAMMAL		PINE CR	85 000	130 000	235
BLANCHARD		BALD EAGLE CR	10 000	18 700	66
LOCK HAVEN		W BR SUSQUEHANNA	80 000	212 000	82
KETTLE CREEK		KETTLE CR	16 000	30 000	150
FIRST FORK		FIRST FK	18 000	35 600	164
KEATING		W BR SUSQUEHANNA	575 000	550 000	353
CURWENSVILLE		W BR SUSQUEHANNA	25 000	46 600	123
FALLS		SUSQUEHANNA	250 000	760 000	150
HALLSTEAD		SUSQUEHANNA	12 200	52 400	36
DAM NO 1		CONNOQUENESSING	45 000	59 000	95
DAM NO 2		SLIPPERY ROCK	13 000	20 000	70
DAM NO 3		SLIPPERY ROCK	25 000	35 000	120
DAM NO 4		SLIPPERY ROCK	17 000	26 000	90
EMSWORTH		OHIO	15 000	87 000	18
DAM C		YOUGHIOGHENY	15 000	49 300	50
DAM B		YOUGHIOGHENY	25 000	80 200	85
DAM A		YOUGHIOGHENY	25 000	80 200	85
CONFLUENCE		YOUGHIOGHENY	24 000	76 300	126
FOXBURG		CLARION	130 000	182 000	150
A PINEY		CLARION	9 600	0	83
MILL CREEK		CLARION	110 000	175 000	225
ALLEGHENY RES		ALLEGHENY	46 500	200 000	123
			3 305 000	7 312 100	
<u>MIDDLE ATLANTIC TOTAL</u>			<u>7 465 400</u>	<u>25 614 800</u>	
EAST NORTH CENTRAL					
OHIO					
EAST FORK		E FK LITTLE MIAMI	10 000	32 000	170
OREGONIA		LITTLE MIAMI	5 000	15 000	55
CAESER CREEK		CAESER CR	50 000	80 000	135
S NEW RICHMOND		OHIO	100 000	488 000	33
S GREENUP		OHIO	30 000	165 000	27
S GALLIPOLIS		OHIO	40 000	228 000	23
S RACINE		OHIO	60 000	350 000	47
S WILLOW ISLAND		OHIO	10 000	60 000	19
S OPOSSUM CREEK		OHIO	9 000	50 000	17
S PIKE ISLAND		OHIO	16 000	100 000	23
S NEW CUMBERLAND		OHIO	12 000	80 000	20
			342 000	1 648 000	
INDIANA					
STATE LINE		ST JOSEPH	4 700	21 000	15
BRISTOL		ST JOSEPH	3 300	15 000	16
PETERSBURG		WHITE	25 000	130 000	28
LOST RIVER		E FK WHITE	15 000	70 000	28
SHOALS		E FK WHITE	30 000	110 000	57
SPENCER		W FK WHITE	15 000	60 000	54
S MT CARMEL		WABASH	40 000	210 000	42
S VINCENNES		WABASH	15 000	65 000	30
S TERRE HAUTE		WABASH	15 000	65 000	31
CLINTON		WABASH	75 000	225 000	62

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
INDIANA CONTD					
	DELPHI	WABASH	75 000	160 000	74
	MISSISSINewa RES	MISSISSINewa	5 000	15 000	84
	SALAMONIE	SALAMONIE	6 000	19 000	82
	NEWBURGH	OHIO	45 000	165 000	-
S	OWENSBORO	OHIO	125 000	717 000	37
	CANNELTON	OHIO	80 000	445 000	26
S	OHIO FALLS	OHIO	100 000	528 000	37
	MARKLAND	OHIO	81 000	448 000	35
			755 000	3 468 000	
ILLINOIS					
S	COMMERCE	MISSISSIPPI	448 000	1 155 000	56
	CARLYLE	KASKASKIA	3 000	14 000	-
S	RIVERSIDE	MISSISSIPPI	290 000	1 100 000	35
	STARVED ROCK	ILLINOIS	9 000	59 500	18
	WEDRON	FOX	8 000	48 000	68
	MARSEILLES	ILLINOIS	18 000	97 900	24
	DRESDEN ISLAND	ILLINOIS	9 600	62 200	20
	BRANDON ROAD	DES PLAINES	11 300	69 700	34
	OLD STATE DAM	KANKAKEE	6 600	30 800	20
	WILMINGTON	KANKAKEE	4 300	21 200	13
	CUSTER PARK	KANKAKEE	15 000	85 000	58
	AROMA PARK	KANKAKEE	2 900	15 900	15
	BARSTOW	ROCK	12 500	61 100	28
	LYNDON	ROCK	4 100	19 400	10
	ABOVE LYNDON	ROCK	3 700	16 700	9
	COMO	ROCK	3 700	16 700	9
	GRAND DETOUR	ROCK	9 300	52 100	24
	BYRON	ROCK	6 800	36 900	19
	LATHAM PARK	ROCK	3 000	15 000	11
	ROCKTON	PECATONICA	2 900	17 500	25
A	ROCK ISLAND	MISSISSIPPI	10 100	80 800	13
S	GOLCONDA	OHIO	250 000	1 380 000	44
S	MT CARMEL	WABASH	40 000	210 000	42
S	VINCENNES	WABASH	15 000	65 000	30
S	TERRE HAUTE	WABASH	15 000	65 000	31
	DANVILLE	VERMILLION	10 000	25 000	60
			1 211 800	4 820 400	
MICHIGAN					
	OSCODA	AU SABLE	4 500	14 000	16
	THOMPSON	AU SABLE	12 000	36 500	48
	UPPER FLAT ROCK	AU SABLE	25 000	68 000	107
	STATE ROAD	AU SABLE	4 700	14 400	23
	BAKER BRIDGE	AU SABLE	5 500	13 300	32
	EATON	AU SABLE	5 000	10 700	48
	ANDERSON	MANISTEE	10 000	24 700	19
	HIGH BRIDGE	MANISTEE	6 800	16 300	15
	WILSON	S BR MANISTEE	8 200	20 000	110
	LOWER SIBLEY	MANISTEE	17 000	40 800	55
	SHERMAN	MANISTEE	16 000	38 000	61
	MANTON	MANISTEE	9 500	22 700	45
	WALTON	MANISTEE	5 600	13 300	31
	SANDS	MANISTEE	10 000	23 500	66
	DUTCH JOHN	MANISTEE	5 000	12 000	40

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MICHIGAN CONTD					
	ROLLWAY	MANISTEE	1 500	3 800	26
	BRIDGETON	MUSKEGON	6 000	25 700	22
	BACON	MUSKEGON	15 000	36 000	31
	PARIS	MUSKEGON	2 700	6 800	10
	HERSEY	MUSKEGON	4 800	12 000	18
	EVART	MUSKEGON	2 500	6 400	11
	GRAND RAPIDS	GRAND	6 700	30 000	17
	SARANAC	GRAND	3 700	16 700	16
R	PORTLAND	GRAND	2 400	5 400	20
	MCGEE	GRAND	3 300	14 200	32
	DANBY	GRAND	2 600	12 100	32
	WILLIAMS BRIDGE	KALAMAZOO	2 200	11 600	18
	KINGS LANDING	ST JOSEPH	7 200	29 400	18
	CHAPPIE RAPIDS	MENOMINEE	5 200	24 000	16
	PEMENE FALLS	MENOMINEE	10 000	40 000	32
	PEMENE DAM	MENOMINEE	7 000	33 000	28
S	SAND PORTAGE	MENOMINEE	4 600	23 000	43
A	QUINNESEC	MENOMINEE	8 000	32 000	92
S	LITTLE BULL RPDS	MENOMINEE	1 900	12 000	25
	TAHUQUAMENON FALLS	TAHUQUAMENON	4 500	30 000	93
	LOWER PLANT	STURGEON	16 300	19 100	90
	BIG FALLS	STURGEON	17 600	23 800	110
	TIBBETS FALLS	STURGEON	12 000	12 200	112
	AGATE FALLS	M BR ONTONAGON	3 000	13 000	125
	BONDS FALLS	M BR ONTONAGON	2 700	11 400	120
	GRAND RAPIDS	ONTONAGON	4 800	32 000	55
	FORKS	ONTONAGON	4 200	28 000	40
	HOOPER	W BR ONTONAGON	6 000	23 000	70
	NORWICH	W BR ONTONAGON	2 600	8 000	80
	SOUTH BRANCH	S BR ONTONAGON	3 700	11 000	70
A	SUPERIOR FALLS	MONTREAL	1 900	9 000	137
	SITE NO 2	MONTREAL	2 700	14 000	115
R	SAXON FALLS	MONTREAL	2 300	10 000	145
	SITE NO 4	MONTREAL	1 700	7 800	70
			328 100	994 600	
WISCONSIN					
	LEEMAN	WOLF	5 000	12 400	20
	KESHENA FALLS	WOLF	6 100	16 700	37
	BIG EDDY	WOLF	4 000	10 700	31
	SMOKY FALLS	WOLF	2 800	7 400	22
	DALLES	WOLF	10 200	27 200	83
	SHOTGUN RAPIDS	WOLF	5 800	15 300	56
	HANSON RIPS	WOLF	2 000	10 200	39
	GARDNER	WOLF	3 000	15 600	60
	WHITE LAKE CREEK	WOLF	2 300	12 400	49
	LANGLADE	WOLF	1 900	10 000	40
	SHERRY RAPIDS	WOLF	2 100	11 700	47
	LOWER FALLS	OCONTO	2 600	13 000	40
	FLAT ROCK	OCONTO	1 900	9 600	34
	CRIVITZ	PESHTIGO	2 000	7 100	18
	SPRING RAPIDS	PESHTIGO	3 700	16 600	46
	ROARING RAPIDS	PESHTIGO	9 700	49 400	200
	STRONG FALLS	PESHTIGO	1 800	5 600	44
R	MENOMINEE UPPER	MENOMINEE	2 500	4 000	18
S	SAND PORTAGE	MENOMINEE	4 600	23 000	43
A	NIAGARA	MENOMINEE	5 400	15 000	67

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WISCONSIN CONTD				
LASALLE	PINE	2 100	12 000	50
S LITTLE BULL RPDS	MENOMINEE	1 800	12 000	25
SITE NO 6	E BR MONTREAL	3 100	15 200	284
BAKER	BAD	4 900	27 000	104
POTATOE	POTATOE	2 900	16 000	225
BRULE RIVER	BRULE	2 300	16 000	170
SITE NO 14	WISCONSIN	14 700	95 500	25
BOSCobel	WISCONSIN	16 500	107 000	29
MUSCoda	WISCONSIN	10 400	65 400	20
SITE NO 10	WISCONSIN	14 200	90 400	28
HONEY CREEK	WISCONSIN	5 100	31 600	12
TRAPPE RAPIDS	WISCONSIN	5 600	27 900	24
BILL CROSS	WISCONSIN	3 600	21 000	22
NIGGER ISLAND	WISCONSIN	4 200	24 600	43
BLACK RIVER NO 1	BLACK	7 600	26 100	40
BLACK RIVER NO 2	BLACK	2 300	7 600	20
BLACK RIVER NO 3	BLACK	3 000	10 300	40
LEVIS ISLAND	BLACK	2 500	14 000	30
DURAND MILE 4.2	CHIPPEWA	45 000	114 000	32
DURAND MILE 18.5	CHIPPEWA	45 000	114 000	32
DURAND MILE 29.6	CHIPPEWA	45 000	112 000	38
DUNNVILLE	RED CEDAR	3 700	16 000	30
VARNEY CREEK	RED CEDAR	3 400	15 000	30
SITE NO 10	CHIPPEWA	5 200	23 700	13
SITE NO 21	FLAMBEAU	2 700	13 100	17
SITE NO 24	FLAMBEAU	3 900	20 300	25
SITE NO 25	FLAMBEAU	3 400	17 500	22
SITE NO 26	FLAMBEAU	3 100	15 800	20
SITE NO 27	FLAMBEAU	1 900	11 200	22
SITE NO 28	FLAMBEAU	1 600	9 000	19
SITE NO 29	FLAMBEAU	1 400	8 000	20
GRAND RAPIDS	CHIPPEWA	5 600	22 600	35
MURRY	CHIPPEWA	5 300	21 400	35
BRUNET	CHIPPEWA	4 100	16 000	28
SITE NO 4	CHIPPEWA	2 200	8 800	19
RADISSON	CHIPPEWA	4 300	17 500	40
SITE NO 2	CHIPPEWA	1 800	6 900	19
LOWERS	CHIPPEWA	2 900	11 700	29
S STILLWATER	ST CROIX	2 100	12 600	20
S NEVERS	ST CROIX	10 000	42 600	45
S KETTLE RIVER RPDS	ST CROIX	13 700	62 500	78
SWISS	ST CROIX	2 700	17 900	35
NAMAKAGON	NAMAKAGON	1 500	7 000	25
DEAL	NAMAKAGON	3 000	9 100	37
		410 700	1 658 700	
<u>EAST NORTH CENTRAL TOTAL</u>		<u>3 047 600</u>	<u>12 589 700</u>	
<u>WEST NORTH CENTRAL</u>				
MINNESOTA				
BIG FORK NO 1	BIG FK	1 400	5 700	26
BIG FORK NO 2	BIG FK	1 600	6 500	30
LITTLE FORK NO 1	LITTLE FK	1 400	5 700	24
LITTLE FORK NO 2	LITTLE FK	2 400	10 300	42
LITTLE FORK NO 3	LITTLE FK	1 500	6 100	35
LITTLE FORK NO 4	LITTLE FK	1 600	7 100	50
VERMILION NO 1	VERMILION	3 000	14 700	87
VERMILION NO 2	VERMILION	2 800	13 100	98
BIRCH LAKE	KAWISHIWI	2 100	12 500	42
GRAND RAPIDS	ST LOUIS	10 000	57 000	66

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MINNESOTA CONTD					
GOOSEBERRY		GOOSEBERRY	1 200	4 000	257
BEAVER BAY		BEAVER BAY	2 500	15 000	298
BAPTISM		BAPTISM	11 400	60 000	598
LOWER POPLAR		POPLAR	4 500	26 000	278
UPPER POPLAR		POPLAR	7 400	38 000	460
CASCADE		CASCADE	5 600	26 800	663
LOWER		DEVIL TRACK	2 800	13 200	395
UPPER		DEVIL TRACK	2 700	11 500	395
BRULE NO 5		BRULE	6 200	33 800	270
BRULE NO 4		BRULE	7 200	39 300	320
BRULE NO 3		BRULE	5 100	28 400	230
BRULE NO 2		BRULE	1 800	7 900	60
HIGH FALLS		PIGEON	10 600	45 300	225
HORN RAPIDS		PIGEON	4 600	19 800	75
TUNNEL		PIGEON	4 500	19 700	93
CASCADES		PIGEON	3 500	15 800	225
PARTRIDGE FALLS		PIGEON	1 700	6 500	110
ROOT NO 4		ROOT	1 400	6 500	27
ROOT NO 2		ROOT	1 900	8 800	54
S STILLWATER		ST CROIX	2 100	12 600	20
S NEVERS		ST CROIX	10 000	42 600	45
S KETTLE RIVER RPDS		ST CROIX	13 800	62 500	78
DELHI		MINNESOTA	2 900	17 400	32
DAM NO 26		MISSISSIPPI	7 300	33 200	16
DAM NO 25		MISSISSIPPI	5 700	25 400	14
DAM NO 22		MISSISSIPPI	11 200	58 500	29
DAM NO 21		MISSISSIPPI	11 200	60 100	30
DAM NO 20		MISSISSIPPI	11 200	59 000	29
DAM NO 19		MISSISSIPPI	3 300	14 400	11
DAM NO 17		MISSISSIPPI	6 000	30 800	19
A BLANCHARD		MISSISSIPPI	6 000	0	45
DAM NO 13		MISSISSIPPI	5 700	27 800	19
DAM NO 11		MISSISSIPPI	4 800	22 300	16
R BRAINARD		MISSISSIPPI	8 700	45 600	38
DAM NO 4A		MISSISSIPPI	2 100	7 800	11
DAM NO 2		MISSISSIPPI	4 500	21 500	24
			230 900	1 106 500	
IOWA					
BELFAST		DES MOINES	17 200	81 000	46
BENTONSPORT		DES MOINES	8 100	34 000	22
KILBOURNE		DES MOINES	7 200	30 000	20
R OTTUMWA		DES MOINES	1 900	4 000	14
RED ROCK		DES MOINES	17 200	51 800	53
DES MOINES		DES MOINES	1 400	5 000	9
ADEL		RACCOON	1 500	6 000	25
RIPPEY		RACCOON	1 300	6 000	24
JEFFERSON		RACCOON	1 200	5 000	28
LINNBURG		DES MOINES	4 200	16 000	31
KALO		DES MOINES	2 200	8 000	22
FORT DODGE		DES MOINES	2 400	9 000	28
BADGER		DES MOINES	2 100	8 000	26
A KEOKUK		MISSISSIPPI	30 400	0	36
AUGUSTA		SKUNK	2 400	8 000	16
LOWELL		SKUNK	2 300	8 000	16
PELLA		SKUNK	2 100	12 000	42
MUSCATINE 2/		GENEVA CR	60 000	200 000	95
ROCHESTER		CEDAR	28 000	85 000	55
CEDAR RAPIDS		CEDAR	9 600	43 900	45

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
IOWA CONTD					
	PROJECT NO 13 A	CEDAR	11 200	40 000	38
	FLOYD	CEDAR	1 900	8 000	46
R	CORALVILLE	IOWA	2 600	15 800	38
	BIG ROCK	WAPSIPINICON	2 200	5 900	30
	SPRAGUEVILLE	MAQUOKETA	3 200	12 100	43
	MAQUOKETA	MAQUOKETA	1 500	7 500	20
	CRABB HILL	NORTH FK	1 300	7 500	75
	LAKEHURST	MAQUOKETA	1 600	8 500	45
	MEDERVILLE	VOLGA	1 200	5 900	60
	MOTOR	TURKEY	1 300	5 900	35
	UPPER IOWA	UPPER IOWA	2 700	12 600	69
X	SIOUX C TO NEBR C	MISSOURI	200 000	1 100 000	195
			433 400	1 850 400	
MISSOURI					
	DONIPHAN	CURRENT	60 000	155 000	100
	BLAIR CREEK	CURRENT	120 000	142 000	174
	CLEARWATER	BLACK	28 000	46 800	104
A	TABLE ROCK	WHITE	100 000	143 000	208
	GALENA	JAMES	50 000	62 000	137
	WAPPAELLO	ST FRANCIS	7 500	21 000	32
	ROWLAND CHURCH	ST FRANCIS	35 000	51 000	98
	MARBLE CREEK	ST FRANCIS	30 000	47 000	116
S	COMMERCE	MISSISSIPPI	448 000	1 155 000	56
S	RIVERSIDE	MISSISSIPPI	290 000	1 100 000	35
	CEDAR HILL	BIG	8 000	25 000	69
	UNION	BOURBEUSE	8 000	25 000	85
	MERAMEC PARK	MERAMEC	14 000	50 000	93
	CHAIN OF ROCKS	CUIVRE	4 200	10 000	41
	JOANNA	SALT	35 000	86 800	94
B	KANS CTY TO MOUTH	MISSOURI	1 200 000	6 500 000	345
	RICH FOUNTAIN	GASCONADE	35 000	96 000	78
	ARLINGTON	GASCONADE	30 000	119 000	101
	RICHLAND	GASCONADE	25 000	49 000	97
	LOCK NO 2	OSAGE	20 000	161 000	25
	ST ELIZABETH	BIG TAVERN CR	3 000	10 500	63
	GRAND GLAIZE	GRAND GLAIZE	4 000	18 500	91
	NIANGUA	NIANGUA	9 700	31 900	98
	SULPHUR SPRINGS	LITTLE NIANGUA	3 400	11 000	69
	KASINGER BLUFF	OSAGE	2 500	18 000	14
	POMME DE TERRE	POMME DE TERRE	16 800	26 000	80
	STOCKTON	SAC	12 700	32 800	70
	CHILLICOYHE	GRAND	18 000	95 000	50
X	RULO TO KANS CITY	MISSOURI	170 000	1 000 000	120
X	NEBR CITY TO RULO	MISSOURI	50 000	300 000	40
			2 837 800	11 588 300	
NORTH DAKOTA					
	SOLEN	CANNONBALL	3 800	10 500	85
	BISMARCK	MISSOURI	100 000	474 000	43
A	GARRISON	MISSOURI	160 000	512 000	172
	LINCOLN VALLEY	GARRISON CANAL	50 000	202 000	-
	LONE TREE	GARRISON CANAL	45 000	193 000	-
			358 800	1 391 500	

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
SOUTH DAKOTA					
X	YANKTN TO SIOUX C	MISSOURI	80 000	350 000	80
	RELIANCE	WHITE	4 500	6 200	87
	BIG BEND	MISSOURI	819 000	1 022 000	80
	OAHE	MISSOURI	595 000	3 135 000	203
	PONY HILLS	DIVERSION CANAL	180 000	385 000	241
	CHERRY CREEK	CHEYENNE	14 000	48 600	90
	PEDRO	CHEYENNE	13 000	45 500	90
	ANGOSTURA	S FK CHEYENNE	10 000	33 100	148
	COAL MINE	S FK CHEYENNE	6 000	15 800	91
			1 721 500	5 041 200	
NEBRASKA					
	HARLAN COUNTY	REPUBLICAN	1 200	4 000	63
X	NEBR CITY TO RULO	MISSOURI	50 000	300 000	40
	SOUTH BEND	PLATTE	27 000	112 000	34
	NICKERSON	MAPLE CR	5 600	23 000	70
	MAPLE CREEK	MAPLE CR	5 300	22 000	65
	WATERLOO	PLATTE	11 000	129 000	48
	ROGERS	PLATTE	23 100	207 000	100
	CUSHING	NORTH LOUP	6 000	19 000	88
	DAVIS CREEK NO 2	NORTH LOUP	11 000	21 000	172
	DAVIS CREEK NO 1	NORTH LOUP	2 600	17 000	70
	LEES PARK	MIDDLE LOUP	6 100	29 500	144
	LILLIAN	MIDDLE LOUP	4 400	21 900	90
	GEORGETOWN	DISMAL	1 900	8 000	115
	ASH CREEK	DISMAL	2 000	11 000	150
A	JOHNSON NO 2	PLATTE CANAL	18 000	50 000	146
	PLUM CREEK	PLUM CR	24 000	31 000	138
	SUTHERLAND	SOUTH PLATTE	4 000	15 000	31
	KINGSLEY	NORTH PLATTE	22 500	95 000	140
	NORTH PORT	NORTH PLATTE	10 000	49 000	260
X	SIOUX C TO NEBR C	MISSOURI	200 000	1 100 000	195
X	YANKTN TO SIOUX C	MISSOURI	80 000	350 000	80
	NIOBRARA	NIOBRARA	17 800	78 000	130
	REDBIRD	NIOBRARA	12 600	58 000	100
R	SPENCER	NIOBRARA	16 900	90 000	160
	PHOENIX	NIOBRARA	8 500	48 000	120
	PHOENIX	NIOBRARA	9 400	48 000	100
	OTTER CREEK	NIOBRARA	12 000	66 000	145
	ELK CREEK	NIOBRARA	4 400	21 900	120
	LONG PINE	LONG PINE	21 000	46 000	150
	MEADOWVILLE	NIOBRARA	9 100	42 600	82
	RESERVOIR NO 5	NIOBRARA	5 400	28 000	75
	SPARKS	NIOBRARA	5 400	21 000	80
R	THACHER	NIOBRARA	6 700	27 000	106
	CROOKSON	NIOBRARA	4 500	22 000	99
	KILGORE	NIOBRARA	4 600	19 000	113
	RESERVOIR NO 4	NIOBRARA	4 000	15 000	111
	ELI	NIOBRARA	4 000	15 000	111
	RESERVOIR NO 3	NIOBRARA	3 200	13 000	117
	RESERVOIR NO 2	NIOBRARA	2 600	13 000	120
	RESERVOIR NO 1	NIOBRARA	2 400	9 000	120
			670 200	3 294 900	

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
KANSAS					
	EDWARDSVILLE	KANSAS	25 000	85 000	35
	EUDORA	KANSAS	25 000	90 000	40
	LECOMPTON	KANSAS	15 000	60 000	30
	TECUMSEH	KANSAS	15 000	54 000	30
	TOPEKA	KANSAS	20 000	78 000	45
	TUTTLE CREEK	BIG BLUE	20 000	55 000	81
X	RULO TO KANS CITY	MISSOURI	170 000	1 000 000	120
			290 000	1 422 000	
	<u>WEST NORTH CENTRAL TOTAL</u>		<u>6 542 600</u>	<u>25 694 800</u>	
<u>SOUTH ATLANTIC</u>					
DELAWARE			0	0	
			0	0	
MARYLAND					
A	CONOWINGO	SUSQUEHANNA	144 000	384 000	88
S	BEAR ISLAND	POTOMAC	50 000	134 000	74
S	RIVERBEND	POTOMAC	75 000	222 000	77
S	ORLEANS	POTOMAC	20 000	48 000	54
	SANG RUN	YOUGHIOGHENY	48 000	153 000	560
	SWALLOW FALLS	YOUGHIOGHENY	23 000	73 000	350
			360 000	1 014 000	
DISTRICT OF COLUMBIA			0	0	
			0	0	
VIRGINIA					
	OCCOQUAN	OCCOQUAN	17 500	46 800	165
	CHAIN BRIDGE	POTOMAC	120 000	442 000	75
S	BEAR ISLAND	POTOMAC	50 000	134 000	74
S	RIVERBEND	POTOMAC	75 000	222 000	77
	HARPERS FERRY	POTOMAC	90 000	333 000	67
R	FREDERICKSBURG	RAPPAHANNOCK	18 800	34 000	63
	SALEM CHURCH	RAPPAHANNOCK	86 000	157 000	176
	GOODALL	SOUTH ANNA	5 100	15 000	90
	ROCK FALLS	NORTH ANNA	5 900	16 000	74
	DILLARDS MILL	NORTH ANNA	4 000	11 000	60
R	12TH STREET	JAMES	10 500	68 000	28
R	BELLE ISLE	JAMES	16 600	84 000	37
R	BOULEVARD	JAMES	19 900	102 000	32
	BOSHER	JAMES	24 000	126 000	32
	PEMBERTON	JAMES	108 000	360 000	99
	ROCK HOUSE	JAMES	12 000	74 000	29
	JOSHUA FALLS	JAMES	16 000	82 000	44
R	BALCONY FALLS	JAMES	14 100	74 300	50
	MAURY	NORTH	36 000	53 000	298
	LYLE	JAMES	10 000	57 000	46
	HIPES	CRAIG CR	18 000	27 000	143
	GATHRIGHY	JACKSON	34 000	51 000	252
R	SCHOOLFIELD	DAN	38 500	64 000	80
	STUART	SMITH	15 000	40 000	118
	RANDOLPH	ROANOKE	30 000	100 000	71
	MELROSE	ROANOKE	34 500	133 000	111
	TABER	ROANOKE	10 000	41 000	37
	LEESVILLE	ROANOKE	35 000	44 000	75
	SMITH MOUNTAIN 2/	ROANOKE	285 000	316 000	195
R	RADFORD	NEW	165 000	560 000	328

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
VIRGINIA CONTD					
	FOSTER FALLS	NEW	20 000	140 000	50
R	BUCK BYLLESBY	NEW	0	95 000	140
R	FRIES JUNCTION	NEW	12 000	89 000	60
	MOORES FERRY	NEW	40 000	280 000	195
			1 476 400	4 471 100	
WEST VIRGINIA					
	MILLVILLE	SHENANDOAH	90 000	219 000	156
	ROCKY MARSH	POTOMAC	22 000	82 000	26
	PINESBURG	POTOMAC	44 000	141 000	52
	EDES FORT	CACAPON	24 000	68 000	222
S	ORLEANS	POTOMAC	20 000	48 000	54
	SPRINGFIELD	S BR POTOMAC	60 000	124 000	178
	ROYAL GLEN	S BR POTOMAC	14 000	67 000	187
S	GALLIPOLIS	OHIO	40 000	229 000	23
	SWISS	GAULEY	20 000	135 000	100
	CARNIFEX	GAULEY	160 000	680 000	500
	MEADOW RIVER	MEADOW	70 000	250 000	680
	SUMMERSVILLE	GAULEY	110 000	435 000	481
	GAULEY MILLS	GAULEY	40 000	110 000	400
	THURMOND	NEW	160 000	1 100 000	240
	STRETCHER NECK	NEW	100 000	700 000	145
	SANDSTONE	NEW	150 000	735 000	170
	BLUESTONE	NEW	180 000	405 000	125
S	RACINE	OHIO	60 000	350 000	47
S	WILLOW ISLAND	OHIO	10 000	60 000	19
S	OPOSSUM CREEK	OHIO	9 000	50 000	17
S	PIKE ISLAND	OHIO	16 000	100 000	23
S	NEW CUMBERLAND	OHIO	12 000	80 000	20
	NO 18	CHEAT	50 000	104 000	70
	NO 17	CHEAT	50 000	100 000	565
	NO 15	CHEAT	65 000	139 000	110
	NO 14	CHEAT	65 000	139 000	110
	NO 13	CHEAT	90 000	234 000	170
	NO 12	CHEAT	110 000	239 000	265
	NO 11	HORSESHOE RUN	60 000	118 000	795
	NO 10	BLACKWATER	40 000	82 000	665
	NO 4A	SHAVERS FK	40 000	76 000	260
	NO 3	SHAVERS FK	70 000	131 000	655
	TYGART	TYGART	40 000	173 000	170
	LAUREL	TYGART	70 000	197 000	480
			2 161 000	7 900 000	
NORTH CAROLINA					
	GASTON	ROANOKE	180 000	334 000	68
	PROJECT NO 4	TAR	3 500	19 300	27
	PROJECT NO 3	TAR	4 000	19 700	55
	PROJECT NO 2	TAR	4 000	20 000	65
	BAKERS MILLS	LITTLE	3 200	2 600	35
	SMITHFIELD	NEUSE	9 000	14 300	21
	WILSON MILLS	NEUSE	8 500	9 700	40
	MILBURNIE	NEUSE	9 500	8 500	40
	FALLS	NEUSE	11 000	10 900	50
	SMILEY FALLS	CAPE FEAR	23 800	84 200	40
	LILLINGTON	CAPE FEAR	27 000	95 000	45
	LOCKVILLE	DEEP	13 000	38 000	49
	NEW HOPE	HAW	33 500	76 000	70
	MOORES MILL	HAW	22 400	56 000	70
R	BYNUM	HAW	29 000	63 400	90

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NORTH CAROLINA CONTD					
	MANDALE	HAW	22 400	54 400	80
	MORVEN	PEE DEE	57 000	125 000	40
	CRUMPS FORD	ROCKY	33 000	81 500	135
	NANCES FORD	ROCKY	5 200	19 400	68
	LOVES FORD	ROCKY	11 500	36 000	108
A	TILLERY	YADKIN	22 000	6 000	72
	TUCKERTOWN	YADKIN	40 000	138 000	55
	COOLEEMEE	SOUTH YADKIN	15 100	22 600	86
	JUNCTION	YADKIN	36 000	109 000	71
	STYERS	YADKIN	24 000	103 000	85
	UPPER DONNAHA	YADKIN	58 800	125 000	124
	ELKIN	YADKIN	17 400	43 500	77
	WILKESBORO	YADKIN	33 000	44 700	149
R	LINCOLNTON	SOUTH FK	7 200	9 100	83
	COWANS FORD	CATAWBA	350 000	140 000	112
	MORGANTON	CATAWBA	26 900	52 200	70
	CLINCHFIELD	BROAD	25 000	59 000	140
R	TURNER	GREEN	3 000	6 500	87
	FOSTER	GREEN	10 000	21 000	115
	SALUDA	GREEN	50 000	100 000	687
R	TUXEDO	GREEN	3 000	9 000	296
	ELK SHOAL	CANE	10 000	29 400	410
	FINES CREEK	PIGEON	60 000	115 000	302
	HALSEY	NEW	25 000	90 000	164
			1 326 900	2 390 900	
SOUTH CAROLINA					
A	PINOPOLIS	SANTEE COOPER	30 600	0	70
	BUCKINGHAM LNDING	SANTEE	85 000	500 000	55
	COURTNEY ISLAND	CATAWBA	50 000	128 000	56
	SUGAR CREEK	CATAWBA	25 000	55 000	32
R	REREGULATOR	CONGAREE	19 400	135 000	40
	FROST SHOALS	BROAD	40 000	209 000	68
	BURNT FACTORY	TIGER	8 100	31 000	90
	NESBIT	TIGER	7 000	26 000	98
R	BLAIRS	BROAD	48 800	188 000	79
	GREATER LOCKHART	BROAD	14 000	80 000	48
	TROUGH	PACOLET	3 200	13 000	45
	GREATER CHEROKEE	BROAD	12 000	50 000	36
R	GREATER GASTON	BROAD	15 700	84 000	105
A	SALUDA	SALUDA	65 000	0	180
	WALTERBORO	EDISTO	15 000	83 600	80
X	LOWER SAVANNAH	SAVANNAH	132 000	319 000	144
Y	GOAT ISLAND	SAVANNAH	31 000	138 000	95
S	MIDDLETON SHOALS	SAVANNAH	13 000	58 600	45
	NEWRY	KEOWEE	32 000	80 000	140
	TOXAWAY	TOXAWAY	90 000	186 000	2 147
S	CAMP CREEK	CHATTOOGA	13 000	31 500	130
S	ROGUES FORD	CHATTOOGA	19 000	47 500	296
S	SAND BOTTOM	CHATTOOGA	9 500	23 800	142
S	WAR WOMAN	CHATTOOGA	10 000	24 600	182
			788 300	2 491 600	
GEORGIA					
X	LOWER SAVANNAH	SAVANNAH	131 000	319 000	144
	ANTHONY SHOALS	BROAD	24 000	65 000	65
	TALLOW HILL	BROAD	45 000	119 000	190
Y	GOAT ISLAND	SAVANNAH	31 000	138 000	95
S	MIDDLETON SHOALS	SAVANNAH	13 000	58 600	45

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
GEORGIA CONTD					
	HARTWELL	SAVANNAH	330 000	453 000	185
S	CAMP CREEK	CHATTOOGA	13 000	31 500	130
S	ROGUES FORD	CHATTOOGA	19 000	47 500	296
S	SAND BOTTOM	CHATTOOGA	9 500	23 800	142
S	WAR WOMAN	CHATTOOGA	10 000	24 600	182
	GOOSE CREEK	ALTAMAHA	120 000	486 000	65
	CYPRESS BRANCH	OCONEE	15 000	118 000	29
	ROCKLEDGE	OCONEE	18 000	136 000	37
	DUBLIN	OCONEE	18 000	131 000	37
	TOOMSBORO	OCONEE	14 000	101 000	36
	MILLEDGEVILLE	OCONEE	9 000	62 200	23
	MURDER CREEK	MURDER CR	60 000	126 000	131
	MONTICELLO	SHOAL CR	12 000	59 000	70
	LAURENS SHOALS	OCONEE	32 000	118 000	104
	HIGH SHOALS	APALACHEE	2 600	10 700	115
R	BARNETT SHOALS	OCONEE	7 200	23 300	68
R	MITCHELL BRIDGE	MIDDLE OCONEE	2 900	11 900	35
R	TALASSEE	MIDDLE OCONEE	8 500	32 500	100
	JACKSON BRIDGE	TOWALIGA	3 200	13 800	74
	FACTORY SHOALS	ALCOVY	4 000	20 600	111
	ALMON	YELLOW	3 000	9 300	42
	IRWIN BRIDGE	YELLOW	3 000	7 900	56
	SNAPPING SHOALS	SOUTH	4 000	18 600	54
	PEACHSTONE	SOUTH	4 200	15 300	66
	ST MARYS SATILLA	SATILLA	100 000	133 000	51
	HURRICANE	SATILLA	12 400	23 400	32
	WAYCROSS	SATILLA	9 600	22 100	35
	PEARSON	SATILLA	5 300	12 700	34
S	WALTER F GEORGE	CHATTAHOOCHEE	65 000	218 000	88
S	FORT BENNING	CHATTAHOOCHEE	12 500	35 000	24
R	COLUMBUS	CHATTAHOOCHEE	26 200	76 900	33
R	NORTH HIGHLANDS	CHATTAHOOCHEE	23 100	75 000	40
S	FLAT SHOAL	CHATTAHOOCHEE	15 500	50 900	40
	LANIER	CHATTAHOOCHEE	66 700	200 000	71
	FRANKLIN	CHATTAHOOCHEE	40 000	140 000	55
	CEDAR CREEK	CHATTAHOOCHEE	35 000	90 000	70
	VININGS	CHATTAHOOCHEE	18 200	52 900	43
R	MORGAN FALLS	CHATTAHOOCHEE	41 200	103 000	117
	LOWER VADA	FLINT	16 000	114 000	49
	RACCOON CREEK	FLINT	4 900	41 600	27
R	ALBANY	FLINT	13 800	28 200	30
	ABRAMS CREEK	FLINT	11 800	41 300	20
	MOUNTAIN CREEK	FLINT	21 000	67 600	36
	MIONA	FLINT	19 000	57 900	48
	LOWER AUCHUMPKEE	FLINT	43 000	116 000	97
	LIZA CREEK	FLINT	39 700	115 000	126
	SPEWRELL BLUFF	FLINT	56 600	131 000	172
	KINGSTON	ETOWAH	31 000	97 000	70
A	ALLATOONA	ETOWAH	36 000	0	146
	CANTON	ETOWAH	11 400	41 800	67
	GILMER	ETOWAH	25 300	67 000	160
	ARMUCHEE	OOSTANAULA	24 000	99 000	60
	FISHER CREEK	COOSAWATTEE	44 600	91 000	245
	GOBLE CREEK 2/	COOSAWATTEE	360 000	500 000	290
	CARTECAY	CARTECAY	10 500	29 300	201
	TILTON	CONASAUGA	10 000	41 000	65
			2 215 400	5 692 700	

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
FLORIDA				
MACCLENNY	ST MARYS	60 000	100 000	61
		60 000	100 000	
<u>SOUTH ATLANTIC TOTAL</u>		<u>8 388 000</u>	<u>24 060 300</u>	
<u>EAST SOUTH CENTRAL</u>				
KENTUCKY				
BARKLEY	CUMBERLAND	130 000	551 000	47
CELINA	CUMBERLAND	69 000	227 000	38
DEVILS JUMP	SOUTH FK	480 000	463 000	473
ROCK CASTLE	ROCK CASTLE	10 000	44 000	147
LAUREL	LAUREL	20 000	56 000	273
S GOLCONDA	OHIO	250 000	1 380 000	44
MINING CITY	GREEN	30 000	150 000	49
BARREN NO 2	BARREN	50 000	105 000	130
NOLIN RIVER RES	NOLIN	22 000	59 000	133
S OWENSBORO	OHIO	125 000	717 000	37
ROLLING FORK RES	SALT	4 900	30 300	70
Z OHIO FALLS	OHIO	20 000	176 000	37
LOCK NO 3	KENTUCKY	9 400	53 000	25
JESSAMINE	KENTUCKY	13 900	73 000	86
BOONEVILLE	S FK KENTUCKY	7 300	42 000	140
FINCASTLE RES	N FK KENTUCKY	14 400	45 000	70
BUCKHORN RES	M FK KENTUCKY	16 100	32 000	106
POOLS CREEK	LICKING	30 000	79 000	50
BOSTON	LICKING	22 500	56 000	40
FALMOUTH	LICKING	180 000	255 000	137
CAVE RUN	LICKING	40 000	57 000	110
S NEW RICHMOND	OHIO	100 000	488 000	33
S GREENUP	OHIO	30 000	165 000	27
TOWERS	RUSSELL FK	50 000	140 000	420
		1 724 500	5 443 300	
TENNESSEE				
JACKS RIVER	CONASAUGA	5 800	16 700	190
MELTON HILL	CLINCH	72 000	300 000	43
NOLICHUCKY	NOLICHUCKY	40 000	135 000	115
HARTFORD	PIGEON	20 000	110 000	237
FORGEY CREEK	HOLSTON	60 000	165 000	91
A CHEATHAM	CUMBERLAND	12 000	40 000	27
THREE ISLANDS	HARPETH	18 000	45 000	94
J PERCY PRIEST	STONE	13 500	52 000	96
CORDELL HULL	CUMBERLAND	92 000	310 000	55
		333 300	1 173 700	
ALABAMA				
S WALTER F GEORGE	CHATTAHOOCHEE	65 000	218 000	88
S FORT BENNING	CHATTAHOOCHEE	12 500	35 000	24
S FLAT SHOAL	CHATTAHOOCHEE	15 500	50 900	40
DEMOPOLIS	TOMBIGBEE	35 000	150 000	38
TUSCALOOSA	WARRIOR	16 000	103 000	30
NORTH RIVER	NORTH	14 000	51 000	146
LOCK AND DAM 13	WARRIOR	88 000	213 000	54
JOHN H BANKHEAD	WARRIOR	45 500	187 000	69
SAYRE	LOCUST FK	30 800	37 000	49
SMITHS FORD	LOCUST FK	115 200	94 000	177

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
ALABAMA CONTD				
AUSTIN CREEK	LOCUST FK	7 300	24 900	94
UPPER DAM	LOCUST FK	20 000	42 300	148
LEWIS SMITH	SIPSEY FK	157 500	209 000	239
DORSEY CREEK	MULBERRY FK	82 000	67 600	136
B BELOW STATE LINE	TOMBIGBEE	100 000	630 000	85
MILLERS FERRY	ALABAMA	76 000	394 000	50
JONES BLUFF	ALABAMA	68 000	335 000	45
WALLAHATCHIE	TALLAPOOSA	22 300	59 000	40
A YATES	TALLAPOOSA	16 000	20 000	55
EMUCKFAW	TALLAPOOSA	90 000	194 000	110
MALONE FERRY	TALLAPOOSA	12 000	35 000	28
CROOKED CREEK	TALLAPOOSA	65 000	153 000	140
OAKFUSKEE	TALLAPOOSA	19 200	44 000	100
R JORDAN	COOSA	225 000	882 000	127
R MITCHELL	COOSA	65 000	132 000	71
HATCHET CREEK	HATCHET CR	17 000	40 000	158
R LAY DAM	COOSA	96 000	205 000	84
WAXAHATCHEE	WAXAHATCHEE CR	2 600	8 000	68
KELLY CREEK	COOSA	125 100	374 000	58
LOCK 3	COOSA	72 600	209 000	36
WEISS	COOSA	87 800	216 000	47
TERRAPIN	TERRAPIN CR	2 600	9 700	65
LITTLE RIVER	LITTLE	14 500	46 100	440
MILLS CREEK	MILLS CR	4 600	12 000	83
A WILSON	TENNESSEE	162 000	162 000	88
A WHEELER	TENNESSEE	97 200	0	48
		2 144 800	5 642 500	
MISSISSIPPI				
B ABOVE STATE LINE	TOMBIGBEE	200 000	1 270 000	172
WAYNESBORO	CHICKASAWHAY	32 000	74 400	74
CHUNKY CREEK	CHUNKY CR	8 800	21 800	65
LOWER STRONG	STRONG	11 900	21 400	68
D LO	STRONG	9 400	18 300	90
JACKSON	PEARL	52 200	119 000	78
YOKAHOCKANY	YOKAHOCKANY	3 300	10 100	50
EDINBURG	PEARL	8 000	21 900	55
EDWARDS	BIG BLACK	52 300	141 000	92
GRENADA	YALOBUSHA	5 000	19 000	30
ARKABUTLA	COLDWATER	12 000	42 000	58
SARDIS	TALLAHATCHIE	15 000	60 000	73
		409 900	1 818 900	
<u>EAST SOUTH CENTRAL TOTAL</u>		<u>4 612 500</u>	<u>14 078 400</u>	
<u>WEST SOUTH CENTRAL</u>				
ARKANSAS				
BENTON	SALINE	25 000	34 000	101
KIRKLAND	SMACKOVER CR	4 000	9 000	55
RIGGS BLUFF	LITTLE MISSOURI	3 000	7 000	35
A NARROWS	LITTLE MISSOURI	8 500	0	142
ROCKPORT	OUACHITA	8 000	28 000	22
A REMMEL	OUOCHITA	6 200	8 000	50
A CARPENTER	OUACHITA	28 000	3 000	95
DEGRAY	CADDO	40 000	69 000	180
CADDO GAP	CADDO	1 700	6 200	97
DIVERSION DAM	RED	10 000	100 000	20

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
ARKANSAS CONTD					
	DIERKS	SALINE	7 000	12 000	115
	GILLHAM	COSSATOT	25 000	45 000	156
	DE QUEEN	ROLLING FK	13 000	20 000	120
S	LOCK AND DAM NO 1	RED	5 000	50 000	20
S	LOCK AND DAM NO 2	RED	5 000	50 000	20
S	LOCK AND DAM NO 3	RED	5 000	50 000	20
	DAM NO 9	ARKANSAS	60 000	300 000	30
	NIMROD	FOURCHE LA FAVE	14 000	23 000	63
	CONWAY	ARKANSAS	88 000	480 000	36
	DARDANELLE	ARKANSAS	124 000	636 000	45
	OZARK	ARKANSAS	24 000	176 000	22
	JUDSONIA	LITTLE RED	20 000	80 000	71
	GREERS FERRY	LITTLE RED	96 000	191 000	189
	BELL FOLEY	STRAWBERRY	10 000	16 000	80
	HARDY	SPRING	52 000	79 000	126
	WATER VALLEY	ELEVEN POINT	40 000	117 000	127
	WOLF BAYOU	WHITE	210 000	837 000	127
A	NORFORK	NORTH FORK	70 000	20 000	173
	LONE ROCK	BUFFALO FK	90 000	162 000	176
	GILBERT	BUFFALO FK	60 000	95 000	173
	BUFFALO CITY	WHITE	40 000	130 000	37
	COTTER	WHITE	40 000	127 000	38
A	BULL SHOALS	WHITE	180 000	85 000	198
	GRANDVIEW	KINGS	38 000	55 000	159
	BEAVER	WHITE	112 000	160 000	185
			1 562 400	4 260 200	
LOUISIANA					
	FARMERVILLE	BAYDARBONNE	2 500	9 800	41
	ALABAMA LANDING	OUACHITA	40 000	160 000	30
	MORNINGSPOUT	CYPRESS CR	3 000	9 400	18
			45 500	179 200	
OKLAHOMA					
	BROKEN BOW	MOUNTAIN FK	75 000	128 000	168
	SHERWOOD	MOUNTAIN FK	50 000	88 000	147
	PINE CREEK	LITTLE	15 000	44 000	85
	LUKFATA NO 1	GLOVER CR	20 000	37 000	154
S	LOCK AND DAM NO 4	RED	5 000	50 000	20
S	LOCK AND DAM NO 5	RED	5 000	50 000	20
S	LOCK AND DAM NO 6	RED	5 000	50 000	20
S	LOCK AND DAM NO 7	RED	5 000	50 000	20
	HUGO	KIAMICHI	8 100	35 100	46
S	LOCK AND DAM NO 8	RED	5 000	50 000	20
S	LOCK AND DAM NO 9	RED	5 000	50 000	20
	BOSWELL	MUDDY BOGGY	6 000	51 800	46
S	LOCK AND DAM NO 10	RED	5 000	50 000	20
S	LOCK AND DAM NO 11	RED	5 000	50 000	20
	DURANT	BLUE	8 400	12 100	59
S	LOCK AND DAM NO 12	RED	5 000	50 000	20
	DURWOOD	WASHITA	20 000	50 600	79
	DOUGHERTY	WASHITA	25 000	62 800	101
S	GAINESVILLE	RED	50 000	82 000	114
	SHORT MOUNTAIN	ARKANSAS	110 000	527 000	51
	EUFULA	CANADIAN	90 000	317 000	113
	CHEWEY	ILLINOIS	42 000	63 000	141
	WEBBERS FALLS	ARKANSAS	28 000	167 000	29
A	FORT GIBSON	GRAND	22 500	37 000	60
	MARKHAM FERRY	GRAND	106 400	190 000	54

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
NAME OF PROJECT OR SITE					
OKLAHOMA CONTD					
OOLOGAH KEYSTONE		VERDIGRIS	12 000	57 000	68
		ARKANSAS	60 000	245 000	74
			793 400	2 644 400	
		300.000			
TEXAS					
TOLEDO BEND DAM B MCGEE BEND ROCKLAND GARZA LITTLE ELM		SABINE	86 400	205 000	73
		NECHES	2 900	22 500	31
		ANGELINA	52 000	118 000	72
		NECHES	13 500	62 300	63
		ELM FK	5 000	19 000	74
GRAPEVINE STILLHOUSE HOLLOW BELTON WACO DAM BEE MOUNTAIN	2/ 2/ 2/ 2/ 2/	DENTON CR	2 500	6 500	78
		LAMPASSAS	12 000	7 300	125
		LEON	18 900	29 000	110
		BOSQUE	4 300	9 000	84
		BRAZOS	144 200	54 700	91
DE CORDOVA HIGHTOWER INSPIRATION POINT TURKEY CREEK A MORRIS SHEPPARD	2/ 2/ 2/ 2/ 2/	BRAZOS	140 200	54 700	80
		BRAZOS	86 200	41 900	63
		BRAZOS	105 900	41 800	70
		BRAZOS	97 800	39 200	66
		BRAZOS	18 000	0	135
ALTAIR COLUMBUS WEST POINT LOWER AUSTIN TANYARD		COLORADO	10 000	40 000	16
		COLORADO	30 000	66 000	58
		COLORADO	15 000	60 000	80
		COLORADO	15 000	60 000	94
		COLORADO	45 000	105 000	127
SAN SABA HANNA WINCHELL STACY NASWORTHY		SAN SABA	2 500	8 000	101
		COLORADO	20 000	49 000	105
		COLORADO	24 000	48 300	129
		COLORADO	15 000	37 000	150
		SOUTH CONCHO	1 700	4 000	70
GONZALES H 3 H 2 H 1 G B 6		SAN MARCOS	8 000	8 000	52
		GUADALUPE	2 500	9 000	35
		GUADALUPE	2 500	9 000	35
		GUADALUPE	2 500	9 000	35
		GUADALUPE	5 000	11 000	38
G B 5 G B 4 RETENTION NO 2 CANYON PAKVILLE		GUADALUPE	5 000	11 000	45
		GUADALUPE	5 000	10 000	35
		GUADALUPE	5 000	11 000	53
		GUADALUPE	10 000	33 000	159
		NUECES	7 500	28 000	83
A FALCON PALAFOX AMISTAD PECOS NO 2 PECOS NO 3		RIO GRANDE	10 500	0	117
		RIO GRANDE	22 500	93 000	66
		RIO GRANDE	100 000	147 600	207
		PECOS	17 000	27 000	123
		PECOS	16 000	21 000	99
PECOS NO 4 AQUA VERDE AVINGER TEXARKANA DARDEN		PECOS	22 500	34 000	148
		RIO GRANDE	45 000	150 000	365
		BLACK CYPRESS	2 600	2 500	55
		SULPHUR	5 500	17 700	41
		SULPHUR	5 800	12 700	43
S LOCK AND DAM NO 1 S LOCK AND DAM NO 2 S LOCK AND DAM NO 3 S LOCK AND DAM NO 4 S LOCK AND DAM NO 5		RED	5 000	50 000	20
		RED	5 000	50 000	20
		RED	5 000	50 000	20
		RED	5 000	50 000	20
		RED	5 000	50 000	20
S LOCK AND DAM NO 6 S LOCK AND DAM NO 7 S LOCK AND DAM NO 8 S LOCK AND DAM NO 9 S LOCK AND DAM NO 10		RED	5 000	50 000	20
		RED	5 000	50 000	20
		RED	5 000	50 000	20
		RED	5 000	50 000	20
		RED	5 000	50 000	20

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
TEXAS CONTD					
S	LOCK AND DAM NO 11	RED	5 000	50 000	20
S	LOCK AND DAM NO 12	RED	5 000	50 000	20
A	DENISON	RED	105 000	84 000	110
S	GAINESVILLE	RED	50 000	82 000	114
	LAKE KEMP	WICHITA	1 400	8 000	67
	SANFORD	CANADIAN	3 000	15 000	117
			1 485 800	2 621 700	
	<u>WEST SOUTH CENTRAL TOTAL</u>		<u>3 887 100</u>	<u>9 705 500</u>	
MOUNTAIN					
MONTANA					
	INTAKE	YELLOWSTONE	200 000	1 100 000	180
B	BILLINGS TO GLDVE	YELLOWSTONE	900 000	4 800 000	1 250
	MOORHEAD	POWDER	8 000	29 000	190
	CUSTER	BIG HORN	40 000	180 000	100
	LITTLE HORN	LITTLE HORN	15 000	70 000	740
	YELLOW TAIL	BIG HORN	200 000	818 000	463
	LAUREL	YELLOWSTONE	150 000	780 000	280
	STILLWATER	STILLWATER	40 000	190 000	1 000
	BENSON BLUFF	YELLOWSTONE	110 000	530 000	220
	GREYCLIFF	YELLOWSTONE	120 000	580 000	250
	BOULDER	BOULDER	40 000	220 000	900
	NATURAL BRIDGE	BOULDER	10 000	60 000	500
	BIG TIMBER	YELLOWSTONE	80 000	380 000	190
	ABSAROKA	YELLOWSTONE	50 000	355 000	193
	LOWER CANYON	YELLOWSTONE	80 000	390 000	255
	MILL CREEK	MILL CR	15 000	70 000	1 000
	CHICORY	YELLOWSTONE	80 000	380 000	230
	YANKEE JIM	YELLOWSTONE	50 000	205 000	200
	LITTLE PORCUPINE	MISSOURI	18 000	113 000	30
A	FORT PECK	MISSOURI	80 000	209 000	213
	ROCKY POINT	MISSOURI	50 000	350 000	105
	BEAR PAW	MISSOURI	40 000	269 000	81
	ILLIAD	MISSOURI	107 000	509 000	198
	KENIL	MARIAS	1 600	3 000	30
	TIBER	MARIAS	2 000	6 000	185
	FORT BENYON	MISSOURI	27 000	161 000	55
	CARTER	MISSOURI	60 000	374 000	130
A	RAINBOW	MISSOURI	34 400	132 000	114
	FAIRFIELD	SUN CANAL	9 500	20 000	150
	GIBSON	SUN	11 000	41 000	162
	ULM	MISSOURI	8 500	65 000	27
	HARDY	MISSOURI	19 000	134 000	67
	LOMBARD	MISSOURI	25 000	181 000	85
	PLANT NO 2	GALLATIN	3 400	21 000	70
	PLANT NO 1	GALLATIN	3 400	21 000	70
	LOWER BASIN	GALLATIN	14 000	66 000	236
R	ENNIS	MADISON	58 000	283 000	370
	HIPPE	MADISON	3 000	19 000	40
	SQUAW CREEK	MADISON	9 500	56 000	120
	LYON	MADISON	24 000	121 000	310
A	HEBGEN	MADISON	12 000	64 000	165
	JEFFERSON CANYON	JEFFERSON	42 000	184 000	160
	REICHLE	BIG HOLE	25 000	110 000	155
	MELROSE	BIG HOLE	80 000	350 000	710
	WEARE	BULL	2 200	8 800	100

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
MONTANA CONTD					
A	NOXON RAPIDS	CLARK FK	168 000	300 000	160
A	THOMPSON FALLS	CLARK FK	35 000	300 000	60
	EDDY	CLARK FK	192 000	578 000	55
	KNOWLES	FLATHEAD	512 000	1 323 000	230
	SWAN LAKE	SWAN	4 800	26 000	54
U	HUNGRY HORSE	S FK FLATHEAD		120 000	484
	CORAM	FLATHEAD	114 000	289 000	108
	CANYON CREEK	N FK FLATHEAD	116 000	263 000	154
	SMOKEY RANGE	N FK FLATHEAD	220 000	308 000	350
	SPRUCE PARK	M FK FLATHEAD	78 000	282 000	860
	QUINN SPRINGS	CLARK FK	108 000	350 000	120
	SUPERIOR	CLARK FK	36 000	114 000	40
	QUARTZ CREEK	CLARK FK	104 000	350 000	130
	PLATEAU	CLARK FK	40 000	127 000	50
	BONNER	BLACKFOOT	22 300	85 800	165
	MCNAMARA	BLACKFOOT	38 000	70 000	118
	NINEMILE PRAIRIE	BLACKFOOT	60 000	166 000	285
	MYRICK	CLEARWATER	1 800	7 000	100
	OVANDO B	BLACKFOOT	19 400	74 500	250
	HEINZE	N FK BLACKFOOT	2 500	9 800	380
	LINCOLN CANYON	BLACKFOOT	2 300	9 200	110
	FINLEN	ROCK CR	14 100	55 200	210
	QUIGLEY	ROCK CR	14 300	56 100	240
	ATKINS	ROCK CR	9 000	35 000	174
	JOY	ROCK CR	10 500	41 200	234
	SAPPHIRE	W FK ROCK CR	3 600	14 000	210
	LOWER YAAK CANYON	YAAK	52 000	131 000	320
	UPPER YAAK CANYON	YAAK	31 200	79 000	195
	YAAK FALLS	YAAK	58 000	149 000	365
	LONG MEADOWS	YAAK	18 000	46 000	192
	KOOTENAI FALLS	KOOTENAI	360 000	1 078 000	160
	KOOTINAI RIVER	KOOTENAI	132 000	350 000	60
	LIBBY	KOOTENAI	688 000	1 855 000	344
			6 222 300	24 249 600	
IDAHO					
	MINK	BEAR	20 000	60 600	115
	LAVA	BEAR	13 400	37 900	99
	LAPWAI	CLEARWATER	73 000	285 000	35
	MYRTLE	CLEARWATER	131 000	513 000	66
	AGATHA	CLEARWATER	105 000	407 000	53
	PECK	CLEARWATER	70 000	272 000	35
	BRUCES EDDY	N FK CLEARWATER	240 000	1 349 000	566
	ROCK CREEK	N FK CLEARWATER	364 000	1 419 000	600
	LOST CREEK	N FK CLEARWATER	13 000	50 000	49
	FISHER CREEK	N FK CLEARWATER	10 000	73 000	268
	KELLEY CREEK	N FK CLEARWATER	33 000	128 000	400
	GREER	CLEARWATER	160 000	700 000	100
	KAMIAH	CLEARWATER	50 000	220 000	45
	PENNY CLIFFS	M FK CLEARWATER	292 000	1 708 000	592
	JERRY JOHNSON	LOCHSA	46 000	178 000	290
	WENDOVER	LOCHSA	105 000	447 000	718
	WOLF CREEK	SELWAY	103 000	400 000	286
	MOOSE CREEK	SELWAY	240 000	718 000	592
	RUNNING CREEK	SILWAY	50 000	197 000	302
	WHITE CAP	SELWAY	68 000	263 000	483

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
IDAHO CONTD				
MEADOW CREEK	S FK CLEARWATER	73 000	285 000	810
SILVER CREEK	S FK CLEARWATER	24 000	91 100	430
NEWSOME CREEK	S FK CLEARWATER	50 000	198 000	1 040
S ASOTIN	SNAKE	192 000	1 150 000	108
CHINA GARDENS	SNAKE	240 000	1 123 000	68
X MIDDLE SNAKE	SNAKE	1 250 000	3 750 000	595
FREEDOM	SALMON	450 000	840 000	205
CREVICE	SALMON	1 015 000	2 000 000	725
WARREN	WARREN CR	91 000	447 000	3 479
RAINES	S FK SALMON	28 000	110 000	140
PORPHYRY	S FK SALMON	32 000	122 000	159
JEANOTT	S FK SALMON	8 000	69 000	160
BEAR CREEK	S FK SALMON	10 000	84 000	200
TAILHOLT	S FK SALMON	6 000	50 000	120
DEADMAN	E FK S FK SALMON	5 300	43 700	320
REGAN	E FK S FK SALMON	5 300	43 700	320
PARKS	E FK S FK SALMON	5 600	46 000	370
HALF WAY	JOHNSON CR	3 100	27 200	520
RUSTICAN	JOHNSON CR	3 300	28 900	580
BUCKHORN	S FK SALMON	5 000	43 800	280
REED	S FK SALMON	3 200	28 000	170
POVERTY FLAT	S FK SALMON	4 600	39 000	325
BEAR HILL	S FK SALMON	5 100	44 700	390
KNOX	S FK SALMON	2 800	24 500	240
GROWLER RAPIDS	SALMON	248 000	968 000	305
BLACK CANYON	SALMON	238 000	927 000	332
PINNACLE PEAK	SALMON	243 000	944 000	376
LEWIS	M FK SALMON	141 000	550 000	433
MONUMENTAL	BIG CR	3 500	28 500	320
PUNGO	M FK SALMON	8 000	67 500	170
RISLEY	M FK SALMON	5 300	44 800	135
STEELHEAD	M FK SALMON	5 400	46 100	145
SHEEPEATER	M FK SALMON	7 700	66 000	240
DEERHORN	M FK SALMON	5 300	45 400	170
FULLER	M FK SALMON	5 800	49 800	190
SALMON FALLS	M FK SALMON	3 900	34 200	140
FALL CREEK	M FK SALMON	5 500	47 800	200
CHINOOK	M FK SALMON	5 200	45 500	200
BEAR VALLEY	M FK SALMON	7 800	68 300	310
ROOD	PANTHER CR	3 200	25 600	290
DEER CREEK	PANTHER CR	5 000	37 100	450
JUREANO	PANTHER CR	3 000	23 700	310
SHOUP	SALMON	14 000	110 000	90
INDIANOLA	SALMON	71 000	277 000	248
LOWER LEMHI	SALMON	2 500	11 000	75
12 MILE CREEK	SALMON	5 800	46 300	45
CAMP CREEK	SALMON	8 700	69 600	69
RATTLESNAKE	SALMON	16 700	133 000	134
12 JA NO 16	SALMON	4 400	35 000	36
MCKIM CREEK	SALMON	17 000	136 000	140
PAHSIMEROI	SALMON	61 000	237 000	297
CHALLIS	SALMON	5 000	25 000	200
CLAYTON	SALMON	3 300	26 200	52
SULLIVAN HOT SPRS	SALMON	8 100	63 100	122
HOLMAN CREEK	SALMON	5 900	46 100	95
BADGER CREEK	SALMON	7 600	58 900	122
MULEY CREEK	SALMON	3 100	24 100	53
YANKEE FORK	SALMON	4 000	30 500	77
AMERICAN CREEK	SALMON	4 300	33 000	84
ELK HORN CREEK	SALMON	3 400	25 800	70

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
IDAHO CONTD					
	STANLEY BASIN	SALMON	8 800	66 600	211
S	HELLS CANYON	SNAKE	204 000	920 000	208
S	OXBOW	SNAKE	118 700	517 000	117
A	BROWNLEE	SNAKE	180 200	0	277
	REREGULATOR	S FK PAYETTE	36 000	145 000	122
	GARDEN VALLEY	S FK PAYETTE	175 000	618 300	432
	BIG PINE CREEK	S FK PAYETTE	7 800	63 500	160
	PINE FLAT	S FK PAYETTE	4 300	35 200	90
	OXBOW BEND	S FK PAYETTE	4 400	36 400	95
	12 HG NO 13	S FK PAYETTE	3 900	32 200	100
	12 HG NO 12	S FK PAYETTE	6 500	53 100	200
	12 HG NO 11	S FK PAYETTE	4 200	34 600	130
	12 HG NO 10	S FK PAYETTE	2 800	23 200	90
	12 HG NO 9	S FK PAYETTE	5 000	42 400	220
	12 HG NO 8	S FK PAYETTE	4 600	40 300	225
	ELK LAKE	S FK PAYETTE	3 700	28 000	1 000
	CLEAR CREEK	S FK PAYETTE	3 000	22 500	730
	WARM SPRINGS	S FK PAYETTE	2 900	22 300	660
	LOWER SCRIVER	SCRIVER CR	120 000	372 000	760
	UPPER SCRIVER	SCRIVER CR	37 500	209 000	473
	LUCKY PEAK	BOISE	43 000	213 000	240
	ARROW ROCK	BOISE	13 000	42 000	196
	12 HD NO 1	BOISE	5 600	43 700	115
	TWIN SPRINGS	BOISE	25 000	114 000	312
	12 HD NO 15	N FK BOISE	7 700	63 200	307
	12 HD NO 12	N FK BOISE	3 000	23 800	600
	ALEXANDER FLATS	M FK BOISE	2 500	19 700	162
	12 HD NO 11	M FK BOISE	3 500	27 000	220
	12 HD NO 20	S FK BOISE	3 700	29 500	105
A	ANDERSON RANCH	S FK BOISE	13 500	0	323
	CASEY RANCH	S FK BOISE	3 900	32 000	145
	12 HD NO 19	S FK BOISE	2 800	23 200	120
	BASCUM RESERVOIR	S FK BOISE	3 600	29 000	193
	12 HD NO 18	S FK BOISE	3 300	25 500	208
	12 HD NO 16	S FK BOISE	4 400	33 600	860
	GUFFEY	SNAKE	85 000	483 000	105
	DIKE	SNAKE	60 000	280 000	60
A	BLISS	SNAKE	25 000	0	70
	UPPER BLISS	SNAKE	100 000	385 000	78
	CONE	SNAKE	80 000	350 000	150
	12 GR NO 2	SNAKE	6 800	59 600	200
	DRY CREEK	SNAKE	4 700	41 200	161
	EAGLE ROCK	SNAKE	23 800	167 000	47
R	AMERICAN FALLS	SNAKE	30 000	120 000	107
	SHELLEY	SNAKE	4 700	38 900	28
	TETON RIVER	TETON	17 300	139 000	600
	FALLS RIVER	FALLS	14 600	117 000	500
	12 GH NO 4	HENRYS FK	9 500	75 000	140
	WARM RIVER	WARM	3 600	30 100	250
	BIG AND LOWER FLS	HENRYS FK	17 600	139 000	270
	BURNS CREEK	SNAKE	90 000	494 000	152
R	POST FALLS	SPOKANE	10 200	55 000	55
	ENAVILLE	COEUR D ALENE	60 000	175 000	272
	TEDDY CREEK	COEUR D ALENE	11 000	48 600	290
	AVERY	ST JOE	29 000	117 000	280
	PRIEST NO 4	PRIEST	27 300	66 000	109
	MOYIE CANYON	MOYIE	36 000	94 200	213
	LOW KATKA	KOOTENAI	250 000	701 000	102
			8 957 000	33 697 400	

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WYOMING				
SYBILLE CREEK	LARAMIE	17 000	43 000	925
DODGE CANYON	LARAMIE	7 500	20 000	370
A GUERNSEY	NORTH PLATTE	10 000	31 000	80
UPPER GLENDO	NORTH PLATTE	4 000	35 000	60
POISON SPIDER	NORTH PLATTE	1 400	12 000	20
BESSEMER BEND	NORTH PLATTE	14 000	72 000	135
FREMONT CANYON	NORTH PLATTE	48 000	205 000	294
LEWISTON	SWEETWATER	5 000	35 000	450
PEDRO MOUNTAIN	NORTH PLATTE	36 000	81 000	120
A SEMINOE	NORTH PLATTE	10 800	33 000	214
FORT STEELE	NORTH PLATTE	13 000	32 000	60
JACKS CREEK	NORTH PLATTE	26 000	64 000	120
ENCAMPMENT	ENCAMPMENT	4 000	16 000	220
HOG PARK	ENCAMPMENT	15 000	64 000	800
BENNETT PEAK	NORTH PLATTE	15 300	69 000	105
PARKVIEW	NORTH PLATTE	20 000	89 000	465
GOOSE CREEK RES	GOOSE CR	12 000	59 900	1 890
ROCKWOOD	TONGUE	60 000	320 000	2 920
SHERIDAN	TONGUE	25 000	92 000	1 200
NORTH FORK	TONGUE	3 000	11 200	440
KANE	BIG HORN	30 000	150 000	140
ISHAWOOA	S FK SHOSHONE	45 000	230 000	850
SOUTH FORK	S FK SHOSHONE	25 000	135 000	800
WAPITI	N FK SHOSHONE	65 000	330 000	850
THERMOPOLIS	BIG HORN	50 000	200 000	250
BULL LAKE	WIND	75 000	370 000	850
DU NOIR	WIND	10 000	30 000	600
BALD RIDGE	CLARK FK	23 000	157 000	390
SUNLIGHT CREEK	SUNLIGHT CR	14 900	112 000	2 020
THIEF CREEK	CLARK FK	125 200	505 000	1 470
BEAR TOOTH LAKE	BEAR TOOTH CR	12 000	65 000	2 920
HUNTER MOUNTAIN	CLARK FK	14 400	100 000	649
COKEVILLE	BEAR	9 000	50 000	210
BLIND CANYON	SNAKE	122 000	537 000	327
BURNT LAKE	FALL CR	1 500	9 000	627
FREMONT LAKE	FREMONT CR	2 900	11 300	530
		971 900	4 375 400	
COLORADO				
COUNSELLOR	RIO CONEJOS	5 800	21 000	135
NOTCH TRAIL	RIO CONEJOS	2 800	16 400	1 200
GERRARD	RIO GRANDE	25 000	77 600	197
WAGON WHEEL GAP	RIO GRANDE	20 000	50 000	195
SANTA MARIA OUTLT	CLEAR CR	8 000	32 600	700
SANTA MARIA INLET	CLEAR CR	1 600	6 900	200
CLEAR CREEK	CLEAR CR	1 800	8 200	220
RIO GRANDE	RIO GRANDE	6 200	26 800	454
TRINIDAD	PURGATOIRE	2 000	5 000	-
PUEBLO	ARKANSAS	11 000	33 000	157
CANON CITY	ARKANSAS	7 200	43 000	125
GRAPE CREEK	GRAPE CREEK	68 000	252 000	665
BADGER	CANAL	60 000	204 000	590
WELLSVILLE	CANAL	41 500	144 000	410
SALIDA	ARKANSAS	22 700	102 000	410
JOHNSON PANCHO	ARKANSAS CANAL	15 000	69 400	277
PRINCETON	ARKANSAS CANAL	11 700	68 500	281
WAPACO	ARKANSAS	16 500	136 000	499
GRANITE OTERO	ARKANSAS	19 200	66 800	295
ELBERT	ARKANSAS	8 700	39 000	520

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
COLORADO CONTD				
CANYON	CACHE LA POUDRE	19 800	117 000	645
ELKHORN	CACHE LA POUDRE	27 400	168 000	825
BEAVER	CACHE LA POUDRE	2 400	10 000	328
BENNETT CREEK	CACHE LA POUDRE	23 800	147 000	760
SHEEP CREEK	CACHE LA POUDRE	13 500	89 000	675
POUDRE	CACHE LA POUDRE	12 600	77 000	675
CASCADE	CACHE LA POUDRE	15 100	46 000	690
HALLIGAN	CACHE LA POUDRE	4 800	15 000	333
FALL RIVER	FALL	2 000	10 000	700
MORAINE	BIG THOMPSON	3 400	17 000	450
COOK MOUNTAIN	NORTH ST VRAIN	21 000	64 000	760
BUCK GULCH	NORTH ST VRAIN	20 200	62 000	785
SMITY MOUNTAIN	SOUTH ST VRAIN	13 200	68 000	790
ELDORA	MIDDLE BOULDER	8 000	17 000	510
MIRAMONTE	SOUTH BOULDER	10 600	60 000	1 000
WONDERVU	SOUTH BOULDER	6 700	28 000	450
NEDERLAND 2	SOUTH BOULDER	2 600	11 000	175
NEDERLAND 1	SOUTH BOULDER	6 200	23 000	465
ELK	CLEAR CR	13 000	41 000	350
BIG HILL	CLEAR CR	18 600	75 000	650
EMPIRE	CLEAR CR	28 500	87 000	845
WEST EMPIRE	W FK CLEAR CR	2 900	8 000	400
CONE MOUNTAIN	W FK CLEAR CR	4 300	12 000	625
SILVER PLUME	CLEAR CR	4 700	15 000	845
CHERRY CREEK	CHERRY CR	2 500	6 500	88
CHATFIELD	SOUTH PLATTE	1 400	4 000	107
TURKSHED	SOUTH PLATTE	7 200	45 600	107
TWO FORKS	SOUTH PLATTE	116 000	207 000	450
RESORT CREEK	N FK SOUTH PLATTE	52 000	246 000	645
CROSSONS	N FK SOUTH PLATTE	26 000	194 000	511
INSMONT	N FK SOUTH PLATTE	14 200	105 000	283
SHAWNEE	N FK SOUTH PLATTE	11 400	74 300	225
SINGLETON	N FK SOUTH PLATTE	19 000	135 000	373
GRANT	N FK SOUTH PLATTE	20 000	128 000	379
CHEESMAN	SOUTH PLATTE	5 900	25 000	377
SIGNAL	SOUTH PLATTE	8 500	26 000	405
BISON	TARRYALL CR	1 400	6 000	317
TARRYALL	SOUTH PLATTE	5 300	19 000	300
ELEVEN MILE	SOUTH PLATTE	3 200	10 000	284
A NORTH PLATTE	NORTH PLATTE	26 100	50 000	218
ANIMAS GORGE	ANIMAS	13 500	118 000	625
LIME CREEK	ANIMAS	70 000	294 000	1 155
HOWARDVILLE	ANIMAS	12 000	51 600	542
EMERALD LAKES	LOS PINOS	26 000	108 000	1 973
TURKEY CREEK	SAN JUAN	2 500	16 000	300
RANGELY	WHITE	6 300	55 000	180
ECHO PARK	GREEN	200 000	717 000	520
LILY PARK	YAMPA	7 500	39 000	70
SLATER FALLS	SLATER FK	7 500	43 000	454
CROSS MOUNTAIN	YAMPA	60 000	330 000	440
HORSEFLY CREEK	SAN MIGUEL	2 700	23 300	406
MCKENZIE CREEK	SAN MIGUEL	3 200	24 000	426
SAWPIT	SAN MIGUEL	3 400	25 000	490
WHITewater	GUNNISON	48 000	249 000	240
OURAY NO 3	UNCOMPAGRE	4 000	25 000	475
OURAY NO 2	UNCOMPAGRE	5 000	28 600	750
OURAY NO 1	UNCOMPAGRE	7 000	36 800	1 130
CRYSTAL	GUNNISON	30 000	148 000	175
MORROW POINT	GUNNISON	40 000	291 000	405
BLUE MESA	GUNNISON	60 000	285 000	356

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
COLORADO CONTD				
GATEVIEW	LAKE FK	4 200	32 000	330
LAKE FORK	LAKE FK	7 500	40 700	380
ALMONT	TAYLOR	4 800	39 400	300
SPRING CREEK	TAYLOR	7 000	56 500	440
CRYSTAL CREEK	TAYLOR	7 200	63 000	315
LOWER MOLINA	COLBRAN PIPELINE	4 900	25 100	1 330
UPPER MOLINA	COLBRAN PIPELINE	8 600	42 700	2 430
ELECTRA	MEADOW CR	4 700	41 000	1 700
LOWER BEAR WALLOW	CANYON CR	3 000	26 800	452
UPPER BEAR WALLOW	CANYON CR	48 000	209 000	2 510
CARDIFF	ROARING FK	4 100	31 000	94
RED CANYON	ROARING FK	4 700	36 000	103
CRYSTAL RIVER	ROARING FK	6 300	48 000	149
CARBONDALE	ROARING FK	6 200	47 500	202
EMMA	ROARING FK	6 500	50 000	222
BASALT	ROARING FK	3 700	28 000	132
RUEDI	FRYINGPAN	4 300	19 400	263
SNOWMASS CREEK	ROARING FK	4 500	36 000	248
WOODY CREEK	ROARING FK	6 400	51 000	450
CASTLE CREEK	ROARING FK	4 200	34 000	425
ASPEN	ROARING FK	2 500	21 500	405
LINCOLN GULCH	ROARING FK	2 800	21 500	1 490
GLENWOOD SPRINGS	COLORADO	22 000	181 000	205
GYPSUM CREEK	EAGLE	4 400	32 000	243
BRUSH CREEK	EAGLE	2 800	20 000	220
GORE CANYON	COLORADO	20 000	97 700	363
ACORN CREEK	BLUE	2 700	20 500	235
		1 776 700	8 209 200	
NEW MEXICO				
PACHECO BLUFF	PECOS	3 000	10 000	101
ALAMOGORDO	PECOS	7 000	17 000	140
LOS ESTEROS	PECOS	1 000	4 000	100
CABALLO	RIO GRANDE	10 000	24 000	74
WHITE ROCK	RIO GRANDE	30 000	160 000	210
CHAMITA	RIO CHAMA	15 000	75 000	195
PLANT NO 3	RIO CHAMA	15 000	71 000	130
PLANT NO 2	RIO CHAMA	15 000	69 000	130
PLANT NO 1	RIO CHAMA	15 000	67 000	130
EL VADO	RIO CHAMA	15 000	85 000	176
WILLOW CREEK NO 4	WILLOW CR	11 500	78 000	210
WILLOW CREEK NO 3	WILLOW CR	8 000	58 000	151
WILLOW CREEK NO 2	WILLOW CR	3 300	14 000	50
WILLOW CREEK NO 1	WILLOW CR	5 700	24 000	90
HOOVER	GILA	3 000	8 000	250
NAVAJO	SAN JUAN	24 000	49 000	370
		181 500	813 000	
ARIZONA				
HORSE SHOE	VERDE	10 000	40 000	175
LIVINGSTON	SALT	11 500	72 000	150
GLEASON FLAT	SALT	43 500	279 000	625
MULE HOOF	SALT	13 500	75 000	200
WALNUT CANYON	SALT	25 200	136 000	375
KNOB	SALT	28 500	136 000	440
BUTTES	GILA	6 000	35 000	165
HEADGATE ROCK	COLORADO	26 000	135 000	23
ALAMO	WILLIAMS	4 500	12 600	235
BRIDGE CANYON	COLORADO	1 508 000	5 371 000	650

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
ARIZONA CONTD					
KANAB CREEK		COLORADO	850 000	5 650 000	965
MARBLE CANYON		COLORADO	510 000	2 411 000	300
GLEN CANYON		COLORADO	900 000	4 600 000	570
			3 936 700	18 952 600	
UTAH					
UPPER LOGAN		LOGAN	6 200	47 500	800
ALTA TUNNEL		COTTONWOOD CR	5 000	15 500	650
CASTILLA		DIAMOND CR	6 000	48 300	400
TANNER		DIAMOND CR	6 000	36 000	232
HAMMOCK		FIFTH WATER	40 000	240 000	1 532
OLD WEST		SIXTH WATER	9 000	48 700	378
WARNER VALLEY		VIRGIN	5 400	25 000	480
BENCH LAKE		DIXIE CANAL	2 200	11 000	120
VIRGIN		DIXIE CANAL	5 600	23 000	261
SLICK HORN CANYON		SAN JUAN	62 000	272 000	208
GOOSENECKS		SAN JUAN	51 000	225 000	177
BLUFF		SAN JUAN	85 000	458 000	354
A	BOULDER CREEK	BOULDER CR	1 400	0	1 527
	MEXICAN BEND	SAN RAFAEL	7 400	38 800	245
	BLACK BOX	SAN RAFAEL	18 000	93 700	600
COTTONWOOD		COTTONWOOD CR	7 000	24 500	780
GRAY CANYON		GREEN	210 000	945 000	440
UPPER WHITEROCKS		WHITEROCK CR	7 300	55 000	1 200
UINTA RIVER		UINTA	9 600	74 900	1 500
MOON LAKE		LAKE FK	4 000	19 000	355
UPPER WEST FORK		LAKE FK	4 600	34 700	800
YELLOWSTONE		YELLOWSTONE CR	14 000	55 000	1 500
ROCK CREEK		ROCK CR	7 500	54 000	1 200
SPLIT MOUNTAIN		GREEN	100 000	436 000	315
FLAMING GORGE		GREEN	108 000	478 000	446
MOAB		COLORADO	110 000	481 000	138
DEWEY		COLORADO	180 000	797 000	325
			1 072 200	5 036 600	
NEVADA					
FRANKTOWN		FRANKTOWN CR	15 000	86 200	1 163
EUREKA		CARSON	7 000	37 300	538
WATASHEAMU		E FK CARSON	8 000	33 900	236
A	HOOVER	COLORADO	95 000	0	530
			125 000	157 400	
<u>MOUNTAIN TOTAL</u>			<u>23 243 350</u>	<u>95 491 200</u>	
<u>PACIFIC</u>					
WASHINGTON					
DEMING		NOOKSACK	50 000	170 000	110
SKOOKUM CREEK		S FK NOOKSACK	20 300	159 000	560
MAPLE FALLS		NOOKSACK	12 000	44 000	100
SHUKSAN		NOOKSACK	33 000	205 000	750
WHATCOM CREEK 2		WHATCOM CR	2 400	19 200	40
WHATCOM CREEK 1		WHATCOM CR	14 400	115 000	250
THE DALLEV		SKAGIT	53 000	372 000	32
A	BAKER RIVER	BAKER	57 600	27 000	255
	LOW FABER	SKAGIT	150 000	650 000	110
	LOWER SAUK	SAUK	70 000	430 000	218

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WASHINGTON CONTD					
	LOWER SUIATTLE	SUIATTLE	31 000	242 000	509
	BUCK CREEK NO 1A	BUCK CR	12 000	76 600	1 200
	BUCK CREEK NO 1	SUIATTLE	19 900	153 000	380
	DOWNEY CREEK NO 1	SUIATTLE	12 200	92 800	385
	DOWNEY CREEK 1A	SULPHUR CR	24 100	157 000	1 115
	UPPER SUIATTLE	SUIATTLE	18 400	140 000	625
	UPPER SAUK	DAN CR	74 000	320 000	585
	LOWER WHITECHUCK	WHITECHUCK	14 700	104 000	795
	UPPER WHITECHUCK	WHITECHUCK	14 300	101 000	1 200
	NORTH FORK SAUK	N FK SAUK	29 000	212 000	845
	SLOAN CREEK	N FK SAUK	9 500	67 000	400
	ILLABOT CREEK	ILLABOT CR	13 500	96 400	1 000
	CASCADE	CASCADE	66 000	320 000	686
	COPPER CREEK	SKAGIT	60 000	414 000	115
U	GORGE	SKAGIT	0	207 000	380
A	DIABLO	SKAGIT	120 000	168 000	330
	THUNDER CREEK	THUNDER CR	13 000	98 000	640
U	ROSS	SKAGIT	0	212 000	520
	TYREE	S FK STILLAGUAMIS	15 000	99 500	290
	JORDEN	S FK STILLAGUAMIS	6 800	55 200	117
	GRANITE FALLS	S FK STILLAGUAMIS	17 500	136 000	255
	ROBE	S FK STILLAGUAMIS	30 000	247 000	480
	SILVERTON	S FK STILLAGUAMIS	23 000	145 000	220
	OSO	N FK STILLAGUAMIS	15 800	108 000	136
	CHAPLAIN CREEK	N FK STILLAGUAMIS	50 000	180 000	886
	LOWER SULTAN	SULTAN	24 000	160 000	345
	MIDDLE SULTAN	SULTAN	32 000	175 000	405
	UPPER SULTAN	SULTAN	84 000	165 000	390
	WALLACE LAKE	E FK WALLACE	22 000	178 000	1 255
	SUNSET FALLS	S FK SKYKOMISH	84 500	591 000	520
	LAKE ISABEL	HOGARTY CR	5 000	30 000	-
	MILLER FORKS	MILLER CR	4 500	32 400	310
	EAST FORK MILLER	E FK MILLER CR	4 900	38 400	770
	LAKE DOROTHY	E FK MILLER CR	3 500	30 600	1 070
	UPPER SOUTH FORKS	S FK SKYKOMISH	8 100	57 000	120
	TONGA	FOSS	7 600	56 600	495
	ALTURAS LAKE	E FK FOSS	5 000	37 800	440
	BECKLER	BECKLER	13 700	93 200	535
	TROUT CREEK	TROUT CR	2 300	15 100	850
	GIDDINGS CREEK	N FK SKYKOMISH	13 500	94 100	450
	TROUBLESOME NO 2	TROUBLESOME CR	3 100	23 600	750
	TROUBLESOME NO 1	TROUBLESOME CR	3 600	31 300	2 130
	CALLIGAN CREEK	N FK SNOQUALMIE	22 300	106 000	465
A	SNOQUALMIE FALLS	SNOQUALMIE	24 000	-	287
	LOWER NORTH FORK	N FK SNOQUALMIE	34 000	197 000	525
	MOUNT SI	M FK SNOQUALMIE	46 800	315 000	511
	UPPER FALLS	S FK SNOQUALMIE	8 500	58 000	500
	EAGLE GORGE	GREEN	65 000	430 000	850
A	WHITE RIVER	WHITE	53 000	0	487
	MUD MOUNTAIN	WHITE	50 000	400 000	505
	TWIN CREEK	WHITE	15 000	95 000	530
	WEST FORK MOUTH	W FK WHITE	4 800	34 200	560
	HUCKLEBERRY	WHITE	3 500	24 700	195
	EAST FORK RAINIER	E FK WHITE	4 900	35 000	360
	CARBON NO 3	CARBON	9 000	60 000	480
	CARBON NO 2	CARBON	9 000	60 000	470
	CARBON NO 1	CARBON	10 100	74 500	705
	ORTING	PUYALLUP	14 000	120 000	442
	MOWICH NO 1A	PUYALLUP	4 500	33 300	575
	MOWICH NO 1	MOWICH	7 200	53 400	815

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WASHINGTON CONTO				
TR NISQUALLY	NISQUALLY	6 800	55 700	87
PARK JUNCTION 2	NISQUALLY	3 900	28 400	115
PARK JUNCTION 1	NISQUALLY	9 600	71 800	550
TUNNEL CREEK	QUILCENE	5 800	40 700	944
USGS SITE 12PM12	DOSEWALLIPS	18 000	76 700	380
USGS SITE 12PM11	DOSEWALLIPS	15 000	65 200	380
USGS SITE 12PM10	DOSEWALLIPS	27 000	119 000	740
USGS SITE 12PM15A	DUCKABUSH	18 000	80 100	430
USGS SITE 12PM14A	DUCKABUSH	8 000	34 700	220
USGS SITE 12PM13	DUCKABUSH	13 000	56 500	405
USGS SITE 12PM9	HAMMA HAMMA	25 000	111 000	505
STAIRCASE	SKOKOMISH	5 200	35 200	275
SEVEN STREAMS	SKOKOMISH	6 000	41 000	490
12 PM NO 24	DUNGENESS	2 600	13 100	160
12 PM NO 23	DUNGENESS	5 800	29 100	334
FORKS	DUNGENESS	5 000	36 600	294
GREY WOLF	GREY WOLF	3 600	27 000	512
GOLD CREEK	DUNGENESS	2 800	20 500	358
UPPER DUNGENESS	DUNGENESS	4 600	33 600	954
TAILWATER	ELWHA	7 200	56 600	82
MCDONALD	ELWHA	17 000	136 000	225
GEYSER BASIN	ELWHA	10 000	79 800	190
WINDFALL CREEK	ELWHA	11 400	91 200	290
LITTLE LOST	ELWHA	10 500	84 200	290
PRESS VALLEY	ELWHA	5 700	46 800	220
GODMAN CREEK	ELWHA	2 400	17 400	230
DELABARRE CREEK	ELWHA	1 500	10 700	282
LOWER LYRE	LYRE	11 900	100 000	290
LAKE CRESCENT	LYRE	12 500	105 000	297
FAIRHOLM	SOLEDUCK	17 700	119 000	481
LOG JAM	HOH	22 000	192 000	150
HOH BOW	HOH	53 600	260 000	220
BENDS	S FK HOH	5 200	38 800	240
FORDS	S FK HOH	3 000	21 800	125
SLATE CREEK	S FK HOH	13 500	100 000	1 300
SPRUCE CREEK	HOH	4 600	34 000	70
TWIN CREEK	HOH	8 200	60 800	200
MINERAL CREEK	HOH	4 600	33 900	150
GLIDE CREEK	HOH	8 500	62 900	380
LOWER QUEETS	QUEETS	17 000	74 500	68
UPPER QUEETS	QUEETS	10 000	43 800	803
QUINAULT LAKE	QUINAULT	13 800	99 500	95
SOUTH FORK	QUINAULT	15 400	104 000	190
RUSTLER RIVER	QUINAULT	13 100	88 900	300
LOWER CANYON	WYNOOCHEE	9 100	76 400	164
SAVE CREEK	WYNOOCHEE	5 700	47 300	152
WEATHERWAX	WYNOOCHEE	12 000	100 000	284
NORTH RIVER	NORTH	20 000	87 600	112
GRAYS RIVER	GRAYS	15 000	60 000	400
CASTLE ROCK	TOUTLE	260 000	1 000 000	200
KID VALLEY	TOUTLE	94 000	350 000	475
UPPER GREEN	GREEN	5 000	21 900	250
ELK CREEK	TOUTLE	10 000	72 700	500
COLDWATER CREEK	TOUTLE	8 200	61 000	600
SPIRIT LAKE	TOUTLE	4 800	41 600	1 124
MAYFIELD	COWLITZ	162 000	545 000	185
TILTON	TILTON	33 000	128 000	385
MOSSYROCK	COWLITZ	300 000	855 000	325
COWLITZ FALLS	COWLITZ	210 000	797 000	330
GREENHORN CREEK	CISPUS	47 000	190 000	285

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WASHINGTON CONTD					
	MUDDY FORK	CISPUS	80 000	287 000	1 450
	WALUPT LAKE	WALUPT	8 000	30 700	600
	PACKWOOD LAKE	HALL CR	20 000	98 600	1 787
	SILVER FALLS	OHANAPECOSH	23 200	184 000	930
A	MERWIN	LEWIS	45 000	0	185
A	YALE	LEWIS	108 000	0	250
	SWIFT CREEK	SWIFT CR	7 000	48 300	810
	MUDDY	LEWIS	110 000	407 000	338
	CLEARWATER CREEK	MUDDY	6 500	49 400	330
	PARADISE FALLS	CLEARWATER CR	17 000	67 500	920
	CLEAR CREEK	CLEAR CR	5 800	39 000	750
	MEADOWS LOWER	LEWIS	55 000	152 000	1 050
	MEADOWS UPPER	RUSH CR	30 000	120 000	800
	CASCADE GORGE	LEWIS	22 000	99 000	285
	QUARTZ CREEK	LEWIS	12 700	92 300	415
	STEAMBOAT CREEK	LEWIS	9 500	73 500	550
	LIT WHITE SALMON	LIT WHITE SALMON	30 600	210 000	1 052
	CONDIT	WHITE SALMON	40 000	200 000	197
	BUCK CREEK	WHITE SALMON	15 000	65 000	190
	HOSUM	WHITE SALMON	39 000	173 000	520
	GILMER	WHITE SALMON	48 000	217 000	680
	TROUT LAKE	WHITE SALMON	13 000	56 000	190
	NINEFOOT CREEK	TROUT LAKE CR	22 000	40 000	840
	FOOT OF RAPIDS	KLICKITAT	4 600	35 300	75
	HEAD BOX CANYON	KLICKITAT	15 200	116 000	295
	WRIGHT	KLICKITAT	5 500	41 900	120
	LITTLE KLICKITAT	KLICKITAT	12 000	92 000	290
	ALVORDS BRIDGE	KLICKITAT	12 300	94 400	300
	OUTLET CREEK	KLICKITAT	30 700	236 000	827
	BIG MUDDY	KLICKITAT	15 500	119 000	563
	MIDDLE BIG MUDDY	BIG MUDDY CR	8 200	56 400	968
	WEST FORK	W FK KLICKITAT	3 800	30 000	467
	WEST FORK	KLICKITAT	2 800	21 900	170
	CASTILE FORD	KLICKITAT	3 800	29 500	280
	MCCREEDY CREEK	KLICKITAT	3 100	23 700	335
A	THE DALLES	COLUMBIA	936 000	2 000 000	88
	JOHN DAY	COLUMBIA	2 700 000	11 575 000	100
	ICE HARBOR	SNAKE	540 000	2 409 000	100
	LOWER MONUMENTAL	SNAKE	540 000	2 356 000	93
	LITTLE GOOSE	SNAKE	540 000	2 558 000	100
	LOWER GRANITE	SNAKE	600 000	2 630 000	102
S	ASOTIN	SNAKE	192 000	1 150 000	108
	NARROWS	GRANDE RONDE	49 000	210 000	150
	WENAH	GRANDE RONDE	201 000	630 000	520
	LOWER WAPATO	SIMCOE CR	25 000	103 000	613
	UPPER WAPATO	SIMCOE CR	41 600	167 000	1 000
	TIETON DIVERSION	TIETON	12 700	56 000	441
	BELOW ELEV 1765	NACHES	7 300	61 000	145
	RATTLE SNAKE CR	NACHES	10 000	84 000	207
	ELEV 2265	NACHES	14 000	118 000	293
	BUMPING RIVER	NACHES	12 200	104 000	275
	BELOW AMERICAN R	BUMPING	6 200	53 500	178
	ELEV 3165	BUMPING	7 000	61 000	447
	BLW PLEASANT VLY	AMERICAN	10 700	93 700	662
	NACHES MEADOWS	NACHES	2 700	23 400	557
	TEANAWAY DAM	YAKIMA	16 000	59 000	80
	BELOW BIG SALMON	CLE ELUM	4 100	35 000	138
	ELEV 2545	CLE ELUM	4 600	39 400	155
	COOPER LAKE DIVR	W FK CLE ELUM	3 000	26 400	318
	WAPTUS LAKE DIVR	N FK CLE ELUM	3 000	26 700	467

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
WASHINGTON CONTD					
	FISH LAKE DIVR	N FK CLE ELUM	5 900	51 800	845
	BEN FRANKLIN	COLUMBIA	352 000	2 348 000	44
A	PRIEST RAPIDS	COLUMBIA	1 025 000	3 643 000	82
	WANAPUM	COLUMBIA	1 330 000	4 860 000	78
A	ROCK ISLAND	COLUMBIA	41 400		53
	ELEV 612	WENATCHEE	12 400	103 000	83
	ABOVE ELEV 695	WENATCHEE	31 900	267 000	210
	DRYDEN POWER PLNT	WENATCHEE	8 000	70 500	62
	PESHASTIN CREEK	PESHASTIN CR	2 400	16 600	575
	BELOW ELEV 1110	WENATCHEE	24 400	207 000	143
	ABOVE ELEV 1110	ICICLE CR	5 300	37 700	286
	8 MILE FLAT DIVR	ICICLE CR	13 500	96 200	704
	EIGHTMILE CREEK	ICICLE CR	8 300	58 700	585
	TROUT CREEK	ICICLE CR	2 300	16 600	235
	LEAVENWORTH	WENATCHEE	180 000	620 500	580
	PLAIN	WENATCHEE	40 000	140 000	114
	CHIAWA	CHIAWA	26 000	91 500	564
	WENATCHEE	LITTLE WENATCHEE	2 200	15 700	150
	WHITE RIVER	WHITE	4 500	32 000	355
	ROCKY REACH	COLUMBIA	1 118 200	5 200 000	93
	ENTIAT DIVERSION	ENTIAT	3 600	27 200	358
	MAD CREEK	ENTIAT	2 100	15 700	270
A	CHELAN	CHELAN	48 000	133 000	409
	RAILROAD CREEK	RAILROAD CR	7 800	65 700	1 155
	STEHEKIN	STEHEKIN	14 800	101 000	405
	AGNES CREEK	STEHEKIN	14 700	101 000	555
	WELLS	COLUMBIA	804 000	4 500 000	115
	MCLAUGHLIN FALLS	OKANOGAN	2 200	15 800	24
	BELOW ELEV 964	SIMILKAMEEN	2 800	21 000	54
	SIMILKAMEEN	SIMILKAMEEN	84 000	230 000	244
A	CHIEF JOSEPH	COLUMBIA	704 000	1 430 000	173
A	GRAND COULEE	COLUMBIA	1 296 000	2 400 000	341
R	LITTLE FALLS	SPOKANE	4 400	27 000	78
R	LONG LAKE	SPOKANE	13 500	80 000	173
R	NINEMILE	VPOKANE	16 500	79 000	64
	BOWL AND PITCHER	SPOKANE	60 000	289 000	85
R	MONROE STREET	SPOKANE	23 800	144 000	72
R	UPPER FALLS	SPOKANE	16 000	89 000	62
R	WATER WORKS	SPOKANE	9 300	57 000	33
	CROSSING	SPOKANE	8 800	69 200	45
	ORIENT	KETTLE	35 000	131 000	180
	CURLEW	KETTLE	9 000	35 000	150
	LOWER BIG SHEEP	BIG SHEEP CR	3 800	33 100	520
	UPPER BIG SHEEP	BIG SHEEP CR	1 800	14 900	302
	BOUNDARY	PEND OREILLE	810 000	3 513 000	261
			19 133 600	79 430 800	
OREGON					
	CLEAR CREEK	CLACKAMAS	16 000	72 900	40
	LOWER CLACKAMAS	CLACKAMAS	72 000	331 000	180
	SOUTH FORK	CLACKAMAS	24 000	120 000	200
	FISH CREEK	CLACKAMAS	27 000	140 000	240
A	OAK GROVE STA P	CLACKAMAS	25 500	20 000	925
	NOWHERE MEADOWS	CLACKAMAS	28 000	178 000	240
	SHELL ROCK	OAK GROVE FK	35 000	108 000	927
	BIG BOTTOM	CLACKAMAS	20 000	83 200	340
	PELKEY	MOLALLA	4 700	34 600	260
	HEADWATERS	MOLALLA	5 300	33 400	475

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
OREGON CONTD					
U	BONNEVILLE	COLUMBIA		200 000	66
	MOODY	DESCHUTES	64 000	377 000	132
	LOCKIT	DESCHUTES	34 000	202 000	70
	RECLAMATION	DESCHUTES	46 000	272 000	95
	SINAMOX	DESCHUTES	43 000	254 000	90
	OAK BROOK	DESCHUTES	31 000	184 000	65
	SHERAR FALLS	DESCHUTES	36 000	210 000	75
	OAK SPRINGS	DESCHUTES	13 000	79 000	35
	MAUPIN	DESCHUTES	48 000	280 000	120
	FRIEDA	DESCHUTES	58 000	342 000	145
	WHITE HORSE	DESCHUTES	38 500	286 000	138
R	ROUND BUTTE	DESCHUTES	244 300	972 000	372
	WHITE WATER	METOLIUS	20 600	153 000	260
	JEFFERSON	METOLIUS	26 500	197 000	400
	JACKS CREEK	METOLIUS	11 900	88 500	300
A	MENARY	COLUMBIA	420 000	212 000	85
	BEAVER CREEK	WENAH	9 800	68 700	1 366
	THE FORKS	WENAH	2 900	21 500	1 000
	ELBOW CREEK	GRANDE RONDE	56 000	245 000	302
	RONDOWA	GRANDE RONDE	76 000	333 000	420
	LITTLE MINAM	MINAM	5 600	43 600	590
	NORTH MINAM	MINAM	4 800	36 800	950
	LITTLE INDIAN	INDIAN CR	2 700	9 000	616
	LWR GRANDE RONDE	GRANDE RONDE	3 900	12 000	136
X	MIDDLE SNAKE	SNAKE	1 250 000	3 750 000	595
	THE RAPIDS	IMNAHA	5 700	39 300	950
S	HELLS CANYON	SNAKE	204 000	920 000	208
S	OXBOW	SNAKE	118 800	517 000	117
	COVERDALE	MCGRAW CR	34 000	202 000	2 300
	MASON	POWDER	3 000	6 000	120
	STONEHILL	NEHALEM	9 000	38 500	40
	NEHALEM FALLS	NEHALEM	18 000	79 900	83
	WAKEFIELD	NEHALEM	13 000	57 700	62
	SALMONBERRY	NEHALEM	20 000	84 900	100
	SPRUCE RUN	NEHALEM	17 000	72 800	90
	ELSIE	NEHALEM	25 000	130 000	165
	12 RA NO 41	WILSON	2 800	18 100	80
	12 RA NO 40	WILSON	3 600	23 700	110
	12 RA NO 39	WILSON	4 200	27 400	145
	12 RA NO 38	WILSON	3 300	21 400	165
	CEDAR CREEK	WILSON	18 000	96 000	260
	MILE 9	TRASK	13 000	40 000	70
	MILE 12 POINT 5	TRASK	13 000	40 000	70
	GINGER PEAK	TRASK	25 000	70 000	260
	12 RA NO 29	NESTUCCA	3 400	23 600	170
	BLAINE	NESTUCCA	15 000	70 000	260
	MEADOW LAKE	NESTUCCA	4 000	27 000	870
	EUCHRE CREEK	SILETZ	14 200	117 000	255
	SUNSHINE CREEK	SILETZ	20 800	150 000	345
	THE FALLS	SILETZ	20 000	100 000	3 200
	VALSETZ	S FK SILETZ	1 900	13 100	235
	TIDEWATER	ALSEA	10 000	35 000	70
	SCOTT MOUNTAIN	ALSEA	40 000	200 000	270
	12 RA NO 6	SIUSLAW	10 000	42 000	70
	TRIANGLE LAKE	LAKE CR	5 000	35 000	280
	12 RA NO 5	SIUSLAW	22 000	103 000	180
	AUSTA	SIUSLAW	20 000	67 600	220
	12 RB NO 3	SMITH	3 000	13 000	150
	12 RB NO 1	SMITH	5 400	23 600	320
	LOON LAKE DIVR	MILL CR	6 500	55 900	385

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
OREGON CONTD				
SCOTTS MILLS	BUTTE CR	3 100	19 500	650
CAMP CREEK	ABIQUA CR	3 600	22 600	500
HEADWATERS	ABIQUA CR	2 400	15 100	800
SILVERTON	SILVER CR	3 800	24 100	800
MEHAMA DIVERSION	NORTH SANTIAM	40 000	208 000	207
NORTH SANTIAM	NORTH SANTIAM	63 000	388 000	342
BYARS CREEK	BREITENBUSH	11 000	63 000	250
TUNNEL	NORTH SANTIAM	25 000	106 000	290
MINTO	NORTH SANTIAM	18 000	72 900	250
MARION LAKE	MARION CR	22 000	154 000	1 500
ALBANY SITES	SOUTH SANTIAM	11 000	89 600	175
WATERLOO DIVR	SOUTH SANTIAM	3 800	30 000	65
MCDOWELL CREEK	SOUTH SANTIAM	2 700	22 000	50
FOSTER DIVERSION	SOUTH SANTIAM	7 600	61 800	100
WHITE BRIDGE	MIDDLE SANTIAM	19 000	66 000	93
GREEN PETER	MIDDLE SANTIAM	90 000	212 000	321
BEAR CREEK	MIDDLE SANTIAM	11 700	73 600	800
ROBERTS DIVERSION	QUARTZVILLE CR	3 700	23 300	200
PACKERS GULCH	QUARTZVILLE CR	8 600	54 200	600
JUNCTION DIVR	SOUTH SANTIAM	3 100	23 200	126
CASCADIA	SOUTH SANTIAM	15 000	70 000	256
PATTERSON	SOUTH SANTIAM	2 900	22 800	164
HAYDEN BRIDGE	MCKENZIE	9 000	73 600	90
DEERHORN	MCKENZIE	4 000	32 400	44
VIDA	MCKENZIE	30 000	240 000	200
QUARTZ CREEK	MCKENZIE	18 000	142 000	80
BLUE RIVER	BLUE	16 000	71 000	330
STRUBE	S FK MCKENZIE	4 500	25 400	68
COUGAR	S FK MCKENZIE	60 000	168 100	442
HARDY CREEK	S FK MCKENZIE	3 300	28 900	290
AUGUSTA CREEK	S FK MCKENZIE	4 900	42 700	430
HORSE CREEK	HORSE CR	5 300	46 400	330
FOLEY SPRINGS	HORSE CR	4 900	42 900	280
MCKENZIE BRIDGE	MCKENZIE	10 000	78 800	85
RAINBOW CREEK	SEPARATION CR	8 700	76 200	720
HARVEY CREEK	SEPARATION CR	7 000	61 000	850
THREE SISTERS	SEPARATION CR	9 100	79 700	1 350
BELKNAP	MCKENZIE	35 000	229 000	385
TRAIL BRIDGE	MCKENZIE	6 000	38 100	86
CARMEN	MCKENZIE	47 500	181 000	518
BEAVER MARSH	MCKENZIE	30 000	60 000	380
LOOKOUT POINT 2	M FK WILLAMETTE	20 000	100 000	127
MILE 6 POINT 7	NORTH FK	26 000	95 500	300
NORTH FORK NO 2	NORTH FK	3 000	22 000	150
NORTH FORK NO 1	NORTH FK	18 500	103 000	580
SALMON CREEK	SALMON CR	30 000	162 000	1 020
WALDO LAKE	BLACK CR	21 000	29 000	1 960
HILLS CREEK	M FK WILLAMETTE	30 000	166 000	319
MILE 56	M FK WILLAMETTE	6 800	48 000	215
BOULDER CREEK	M FK WILLAMETTE	7 000	48 200	370
STALEY CREEK	M FK WILLAMETTE	6 500	45 600	390
SWIFT CREEK	M FK WILLAMETTE	7 000	42 200	800
ROCKY POINT	ROW	4 500	33 200	175
A BULL RUN STA 0	BULL RUN	13 200	70 000	328
BULL RUN NO 2	BULL RUN	6 400	40 000	111
BULL RUN NO 1	BULL RUN	12 800	58 000	172
MARMOT	SANDY	33 500	232 000	600
WELCHES	SALMON	9 800	63 800	350
LINNEY	SALMON	18 600	124 000	820
MEADOWS	SALMON	5 200	35 400	420

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
OREGON CONTD				
SCOTTSBURG	UMPQUA	38 100	290 000	100
KELLEYS SMITHFRY	UMPQUA	30 800	236 000	85
KELLOGG	UMPQUA	23 500	196 000	70
WOLF CREEK	UMPQUA	37 000	298 000	145
WINCHESTER	NORTH UMPQUA	13 400	89 000	80
OAK CREEK	NORTH UMPQUA	11 300	86 500	70
HORSESHOE BEND	NORTH UMPQUA	14 000	98 300	90
GLIDE	NORTH UMPQUA	9 000	62 200	60
ROCK CREEK	NORTH UMPQUA	51 000	263 000	221
BOUNDARY	NORTH UMPQUA	44 000	216 000	187
STEAMBOAT	NORTH UMPQUA	16 300	113 000	190
COPELAND DIVR	NORTH UMPQUA	24 300	175 000	290
LAKE CREEK NO 3	LAKE CR	3 600	9 800	325
LAKE CREEK NO 1	LAKE CR	5 000	13 000	480
ROSEBURG	SOUTH UMPQUA	3 000	22 000	50
DILLARD	SOUTH UMPQUA	3 600	26 000	60
RUCKLES	SOUTH UMPQUA	2 800	21 000	50
MYRTLE CREEK	SOUTH UMPQUA	3 900	28 000	70
RIDDLE DIVERSION	SOUTH UMPQUA	5 800	44 000	125
DAYS CREEK	SOUTH UMPQUA	4 900	24 100	100
PERDUE	SOUTH UMPQUA	4 600	20 800	100
COFFEE CREEK	SOUTH UMPQUA	3 100	20 000	80
TILLER DIVERSION	SOUTH UMPQUA	6 200	39 800	160
DEADMAN CREEK	SOUTH UMPQUA	3 100	21 000	175
B LOWER COOS RIVER	COOS	30 000	130 000	400
TIOGA FORK	COOS	20 000	100 000	300
FAIRVIEW	N FK COQUILLE	4 500	39 400	200
12 RC NO 6A	E FK COQUILLE	7 400	64 600	400
12 RC NO 5	M FK COQUILLE	4 600	40 300	720
12 RC NO 3	S FK COQUILLE	2 700	20 200	210
EDEN RIDGE	S FK COQUILLE	67 500	163 000	1 515
COPPER CANYON	ROGUE	300 000	1 142 000	450
BALD MOUNTAIN	ILLINOIS	92 000	360 000	432
KERBY	ILLINOIS	9 400	51 000	180
SUCKER CREEK	ILLINOIS	3 600	14 100	227
RAMEY FALLS	ROGUE	100 000	430 000	300
AMENT	ROGUE	4 800	28 400	30
ROCK POINT	ROGUE	2 900	17 100	16
GOLD HILL	ROGUE	10 500	61 700	65
GREEN SPRINGS	EMIGRANT CR	16 000	63 300	1 775
REESE CREEK	ROGUE	6 700	46 600	120
LEWIS CREEK	ROGUE	34 400	152 000	242
MCNEIL CREEK	BUTTE CR	3 600	30 400	360
CASCADE	ROGUE	25 100	160 000	282
A PROPECT NO 2	ROGUE	16 000	58 400	606
RIER CREEK	ROGUE	9 600	58 800	200
TOP CREEK	ROGUE	6 800	41 300	140
UNION CREEK	ROGUE	12 000	73 700	280
CASTLE CREEK	ROGUE	8 500	52 500	200
HAMAKER	ROGUE	3 000	18 500	200
SALT CAVES	KLAMATH	70 000	367 000	425
BIG BEND NO 3	KLAMATH	22 000	110 000	130
KENO	KLAMATH	48 000	250 000	291
		5 823 500	25 123 300	

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CALIFORNIA					
	CALVADA	TRUCKEE	26 500	61 900	985
	INDEPENDENCE	LITTLE TRUCKEE	6 000	20 000	950
	PROSSER	TRUCKEE	5 000	33 000	300
	PAYNESVILLE	W FK CARSON	6 000	47 800	1 093
	WOODFORDS	W FK CARSON	5 000	39 600	966
	ANTELOPE	WEST WALKER	9 500	50 700	525
	MIDWAY	WEST WALKER	11 000	48 000	426
	LEAVITT MEADOW	WEST WALKER	4 700	24 400	400
U	POWER HOUSE NO 3	COTTONWOOD CR	0	8 000	1 267
	POWER HOUSE NO 2	COTTONWOOD CR	5 000	32 000	2 166
	POWER HOUSE NO 1	COTTONWOOD CR	4 000	24 000	2 077
	BIG PINE NO 2	BIG PINE CR	5 400	34 000	1 789
	BIG PINE NO 1	BIG PINE CR	3 000	23 000	1 209
	BISHOP CREEK NO 1	BISHOP CR	3 500	28 000	900
	PINE CREEK	PINE CR	9 000	50 000	2 290
	ROCK CREEK NO 3	ROCK CR	4 500	26 000	800
	ROCK CREEK NO 2	ROCK CR	12 500	78 000	2 515
	ROCK CREEK NO 1	ROCK CR	6 500	41 000	1 545
	MONO CRATERS	OWENS	4 000	24 400	197
	GASTQUET	N FK SMITH	50 000	200 000	400
	ROCKLAND	N FK SMITH	40 000	200 000	450
	DIAMOND CREEK	DIAMOND CR	10 000	60 000	1 000
	ELTAPOM	S FK TRINITY	52 000	266 000	324
	HAY FORK	HAI FORK BR	26 000	132 000	680
	SULPHUR GLADE	S FK TRINITY	94 000	355 000	1 007
	HELENA	TRINITY	42 000	248 000	468
	LEWISTON	TRINITY	300	2 600	60
	TRINITY	TRINITY	100 000	357 000	488
	MOREHOUSE	SALMON	90 000	346 000	560
	RUSSIANVILLE	N FK SALMON	7 500	30 000	645
	MATTHEWS	S FK SALMON	13 000	44 000	640
	HAPPY CAMP	KLAMATH	135 000	787 000	-
	HAMBURG	KLAMATH	67 000	384 000	388
	SCOTT VALLEY	SCOTT	50 000	200 000	740
	IRON GATE	KLAMATH	25 000	150 000	158
	WARM SPRINGS	KLAMATH	30 000	123 000	150
	ESSEX	MAD	10 000	50 000	70
	CANYON CREEK	MAD	12 000	68 000	150
	BUTLER VALLEY	MAD	10 000	44 000	95
	GOLD ROCK	MAD	15 000	78 000	274
	BIG BEND	MAD	60 000	300 000	1 360
	PILOT CREEK	MAD	10 000	50 000	290
	BRIDGEVILLE	VAN DUZEN	40 000	200 000	615
	FORKS	VAN DUZEN	30 000	140 000	564
	YAGER CREEK	YAGER CR	7 000	30 000	156
	DYERVILLE	EEL	12 000	75 000	45
	TUTTLE	EEL	40 000	200 000	220
	HOLLOW TREE	S FK EEL	20 000	90 000	210
	BRANSCOMB	S FK EEL	8 000	35 000	610
	SEQUOIA	EEL	40 000	240 000	500
	MINA NO 2	N FK EEL	14 900	103 000	410
	MINA NO 1	N FK EEL	9 700	65 400	300
	HULL CREEK	HULL CR	14 900	123 000	1 300
	CASOOSE CREEK	CASOOSE CR	14 900	119 000	1 340
	ETSEL	M FK EEL	25 200	166 000	365
	EAST FORK	E FK RUSSIAN	7 000	59 000	134
R	POTTER VALLEY	E FK RUSSIAN	27 000	196 000	565
	MONTICELLO AFTBAY	PUTAH CR	10 800	118 000	70
	MONTICELLO	PUTAH CR	100 000	409 000	240
	SNELL	PUTAH CR	110 000	405 000	240

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CALIFORNIA CONTD					
	NOYES	PUTAH CR	130 000	452 000	247
	JERUSALEM	PUTAH CR	75 000	253 000	139
	STIENHART	SODA CR	137 000	517 000	272
	SALMON FALLS	S FK AMERICAN	12 000	40 000	74
	COLOMA	S FK AMERICAN	45 000	130 000	310
	KELSEY	S FK AMERICAN	12 000	40 000	150
	WHITE ROCK	S FK AMERICAN	46 000	221 000	855
	CAMINO	S FK AMERICAN	57 000	258 000	1 054
	JAYBIRD	SILVER CREEK	129 200	459 000	1 545
	UNION VALLEY RES	SILVER CR	18 000	72 500	391
	ALDER RESERVOIR	ALDER CR	20 000	104 000	1 445
	KYBURZ	S FK AMERICAN	20 000	120 000	1 055
	ECHO	S FK AMERICAN	4 000	17 500	850
	AUBURN	N FK AMERICAN	45 000	250 000	373
A	WISE	AUBURN RAVINE	10 000	5 700	519
	VOLCANO	M FK AMERICAN	8 000	42 000	172
	AMERICAN BAR	M FK AMERICAN	5 000	25 400	108
	RALSTON NO 2	RUBICON	81 000	390 000	1 970
	LOON LAKE NO 2	GERLE CR	5 000	26 000	560
	LOON LAKE NO 1	S FK RUBICON	7 000	32 800	792
	LOWER HELL HOLE	RUBICON	18 000	78 300	447
	FRENCH MEADOW	RUBICON	11 000	52 300	654
	RALSTON NO 1	M FK AMERICAN	38 000	177 000	940
A	HALSEY	DRY CREEK	3 500	6 400	331
	INDIAN CREEK	N FK AMERICAN	10 000	40 300	200
	COLFAX NO 3	N FK AMERICAN	25 000	99 000	695
	PIONEER NO 2	N FK AMERICAN	15 000	58 900	805
	TADPOLE NO 1	N FK AMERICAN	4 500	17 600	1 460
	WALDO	DRY CR	18 700	90 000	-
	ROLLINS	BEAR	11 000	57 500	240
A	DUTCH FLAT	BEAR	22 000	80 000	-
	CHICAGO PARK	BEAR	33 500	120 000	488
A	DRUM	BEAR	68 000	276 000	1 375
A	DEER CREEK	DEER CR	8 100	31 000	837
R	PARKS BAR	YUBA	48 000	172 000	270
	JONES BAR	S FK YUBA	23 700	78 000	775
	DEVILS SLIDE	S FK YUBA	33 600	100 000	935
A	SPAULDING NO 2	S FK YUBA	2 300	14 800	344
	LAKE VALLEY	S FK YUBA	17 500	82 000	812
A	SPAULDING NO 3	S FK YUBA	3 200	9 300	318
R	BULLARDS BAR	N FK YUBA	98 500	800 000	450
	WAMBO	N FK YUBA	17 700	116 000	413
	RAMSHORN	N FK YUBA	14 800	82 400	384
	DOWNEVILLE	N FK YUBA	32 800	135 000	1 336
	SIERRA CITY	N FK YUBA	2 100	7 200	303
	SARDINE UNIT	N FK YUBA	13 000	102 000	1 659
	THERMALITO	THERMALITO CANAL	195 000	301 000	103
	THERMALITO DIVR	FEATHER	2 700	0	93
	KELLY RIDGE	FEATHER	9 000	20 000	665
R	OROVILLE	FEATHER	1 148 000	1 787 000	615
	FORBESTOWN	S FK FEATHER	28 800	113 000	823
	WOODLEAF	S FK FEATHER	52 200	187 000	1 720
	BALD ROCK NO 5	M FK FEATHER	70 000	202 000	710
	MILLSEP NO 4	M FK FEATHER	50 000	211 000	740
	HARTMAN NO 3	M FK FEATHER	40 000	183 000	640
	SHERMAN NO 2	M FK FEATHER	40 000	202 000	710
	NELSON POINT NO 1	M FK FEATHER	20 000	102 000	360
	SWAYNE	N FK FEATHER	84 000	300 000	1 450
	BELDEN	YELLOW CREEK	117 000	390 000	770
	YELLOW CREEK	YELLOW CR	25 000	164 000	1 905

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE		RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CALIFORNIA CONTD					
	INDIAN FALLS	E BR N FK FEATHER	25 000	126 000	685
	SQUAW QUEEN	LAST CHANCE CR	14 000	51 900	1 680
	MEADOW VALLEY	SPANISH CR	125 000	503 000	1 675
R	CENTERVILLE	BUTTE CR	15 600	94 000	590
	DESABLA NO 1	BUTTE CR	8 000	45 000	1 015
A	DESABLA NO 2	BUTTE CR	24 000	133 000	1 532
	NEWVILLE	N FK STONEY CR	8 500	33 000	188
	DEER CREEK NO 4	DEER CR	5 500	29 700	198
	DEER CREEK NO 3	DEER CR	35 400	174 000	1 070
	DEER CREEK NO 2	DEER CR	27 100	135 000	828
	DEER CREEK NO 1	DEER CR	29 200	118 000	1 618
	ANTELOPE CREEK 3	ANTELOPE CR	5 700	32 200	342
	ANTELOPE CREEK 2	ANTELOPE CR	4 000	22 400	279
	ANTELOPE CREEK 1	ANTELOPE CR	6 500	45 600	1 150
	IRON CANYON	SACRAMENTO	200 000	1 700 000	140
	DUNNIGAN	WEST SIDE CANAL	76 000	600 000	68
	WILLOWS	WEST SIDE CANAL	90 000	700 000	80
	COTTONWOOD	COTTONWOOD CR	400 000	1 500 000	120
	FIDDLERS	M FK COTTONWOOD	8 000	45 000	300
	SAELTZER	CLEAR CR	330 000	1 110 000	148
	KANAKA	CLEAR CR	1 025 000	3 420 000	-
	CLEAR CREEK PH	CLEAR CR	134 000	437 000	712
	SPRING CREEK PH	SPRING CR	150 000	503 000	646
	PIT NO 7	PIT	98 000	333 000	203
	PIT NO 6	PIT	74 000	291 000	155
	MCCLOUD PIT	PIT	155 700	640 000	1 217
	SUGAR LOAF	HAT CR	5 000	42 000	593
	PIT NO 2	PIT	14 000	95 000	103
	NASHVILLE	COSUMNES	15 000	62 000	463
	CAMANCHE	MOKELUMNE	6 000	30 000	107
A	PARDEE	MOKELUMNE	7 500	30 000	335
	MIDDLE BAR	MOKELUMNE	18 000	90 000	115
	JESUS MARIA	JESUS MARIA	10 000	56 000	1 200
R	NEW MELONES	STANISLAUS	34 000	135 000	460
R	MURPHYS	ANGELS CR	6 000	13 000	685
A	PHOENIX	SULLIVAN CR	13 000	52 000	1 180
R	STANISLAUS	STANISLAUS	53 000	160 000	1 526
	COLLIERVILLE	STANISLAUS	193 000	725 000	-
	SAND BAR	M FK STANISLAUS	10 000	44 000	220
	HIGH BEARDSLEY	M FK STANISLAUS	17 000	109 000	2 300
	DARDANELLES	M FK STANISLAUS	6 000	42 700	500
	SQUAW HOLLOW	N FK STANISLAUS	140 000	525 000	-
	MORAN CREEK	MORAN CR	6 000	33 000	575
R	DON PEDRO	TUOLUMNE	73 000	192 000	515
A	MOCCASIN CREEK	MOCCASIN CR	30 000	17 000	1 316
	BIG HUMBUG CREEK	TUOLUMNE	8 000	55 000	233
	MOUTH OF CLAVEY	TUOLUMNE	9 500	62 000	265
	CLAVEY R DIVR	TUOLUMNE	13 500	100 000	1 935
	SOUTH FORK P H 1	S FK TUOLUMNE	13 000	31 600	824
R	CHERRY CREEK	TUOLUMNE	96 400	502 000	2 000
	HETCH HETCHY	TUOLUMNE	75 000	424 000	1 145
R	SNELLING	MERCED	21 600	54 000	100
R	EXCHEQUER	MERCED	56 000	150 000	459
	BAGBY	MERCED	50 000	140 000	400
	SNOW CREEK	SNOW CR	15 000	50 000	1 150
A	BIG CREEK NO 3	SAN JOAQUIN	31 500	0	827
	WEST SIDE PP 8A	SAN JOAQUIN	36 000	315 000	715
	MAMMOTH RESERVOIR	SAN JOAQUIN	125 000	500 000	1 100
	CHIUQUITO	SAN JOAQUIN	30 000	123 000	1 670
	FORKS	SAN JOAQUIN	35 000	149 000	570

SEE FOOTNOTES AT END OF TABLE

TABLE 10 (Contd) - UNDEVELOPED By Geographic Divisions and States

DIVISION AND STATE NAME OF PROJECT OR SITE	RIVER	INSTALLED CAPACITY KW	AV. ANNUAL GENERATION 1,000 KWH	GROSS HEAD FT.
CALIFORNIA CONTD				
MILLER BRIDGE	M FK SAN JOAQUIN	30 000	140 000	900
PINE FLAT	KINGS	150 000	326 000	386
KELLERS RANCH	KINGS	120 000	270 000	450
KINGS RIVER	KINGS	44 100	129 600	788
ROSS	DINKEY CR	25 000	123 000	1 800
DINKEY CREEK	DINKEY CR	25 000	103 000	1 850
HELMS	HELMS CR	41 000	166 000	1 610
JUNCTION	KINGS	70 000	257 000	880
CEDAR GROVE	S FK KINGS	60 000	298 000	2 140
PARADISE VALLEY	S FK KINGS	40 000	219 000	2 048
TEHIPITE VALLEY	M FK KINGS	50 000	245 000	1 740
SIMPSON MEADOW	M FK KINGS	60 000	368 000	1 844
TERMINUS	KAWEAH	10 000	40 000	174
A KERN CANYON	KERN	23 500	80 000	262
A KERN RIVER NO 1	KERN	5 000	68 000	877
A BOREL	KERN	7 000	34 000	270
ONYX	S FK KERN	15 000	69 000	1 720
ROCKHOUSE	S FK KERN	10 000	38 000	990
KERN RIVER NO 8	S FK KERN	5 000	38 000	460
MONACHE	S FK KERN	10 000	52 500	1 660
A KERN RIVER NO 3	KERN	28 000	153 000	821
JUNCTION	KERN	60 000	350 000	1 040
LITTLE KERN	KERN	40 000	236 000	955
KERN LAKE	KERN	25 000	180 000	950
SESPE 3 PLANTS	SESPE CR	23 000	70 000	1 610
FOREST HOME	MILL CR	3 000	16 000	2 080
POWER HOUSE NO 3	BEAR CR	4 000	15 800	620
POWER HOUSE NO 2	BEAR CR	3 600	24 000	1 200
POWER HOUSE NO 1	BEAR CR	3 600	17 500	1 220
DROP NO 5	ALL AMERICAN CAN	5 000	24 100	24
DROP NO 3	ALL AMERICAN CAN	4 800	8 700	26
		10 299 500	40 532 000	
<u>PACIFIC TOTAL</u>		<u>35 256 600</u>	<u>145 086 100</u>	
<u>UNITED STATES TOTAL (EXCLUDING ALASKA AND HAWAII)</u>		<u>95 301 000</u>	<u>361 682 500</u>	

- A. ADDITIONAL POSSIBLE CAPACITY AND CORRESPONDING INCREMENTAL AVERAGE ANNUAL GENERATION AT EXISTING PLANT.
- B. BLOCK OF UNDEVELOPED POWER IN REACH OF RIVER BETWEEN DESIGNATED POINTS. HEAD IS AGGREGATE UNDEVELOPED HEAD IN REACH.
- R. REDEVELOPMENT OF PRESENTLY DEVELOPED SITE. CAPACITY AND AVERAGE ANNUAL GENERATION ARE INCREMENTAL QUANTITIES RESULTING FROM REDEVELOPMENT. HEAD SHOWN IS HEAD RESULTING FROM REDEVELOPMENT.
- S. SITE OF PROJECT IS ON BOUNDARY RIVER BETWEEN STATES. CAPACITY AND AVERAGE ANNUAL GENERATION SHOWN, ONE-HALF OF TOTAL POSSIBLE CAPACITY AND GENERATION; OTHER HALF SHOWN IN THE LIST OF SITES FOR ADJOINING STATE. HEAD SHOWN IS THE TOTAL HEAD AT THE SITE.
- U. ADDITIONAL POSSIBLE AVERAGE ANNUAL GENERATION AT EXISTING PLANT RESULTING FROM FUTURE CONSTRUCTION OF ADDITIONAL UPSTREAM STORAGE.
- X. BLOCK OF POWER (B) ON BOUNDARY RIVER BETWEEN STATES (S).
- Z. ADDITIONAL POSSIBLE CAPACITY AND GENERATION (A) ON BOUNDARY RIVER BETWEEN STATES (S).
- 1/ THE PASSAMAQUODDY TIDAL PROJECT (300,000 KW TOTAL) IS PLANNED WITH ONE-HALF IN U. S. AND ONE-HALF IN CANADA. NOT CONSIDERED AS CONVENTIONAL RIVER DEVELOPMENT.
- 2/ THE FOLLOWING SITES PROPOSED WITH PUMPED STORAGE UNITS IN ADDITION TO CONVENTIONAL UNITS. PUMPED STORAGE ONLY SITES NOT INCLUDED IN THIS INVENTORY. FOR DISCUSSION OF PUMPED STORAGE SEE PAGE

PLANT	PUMPED-STORAGE CAPACITY (KW)	TOTAL CAPACITY (KW)
NIAGARA FALLS, NEW YORK	240,000	2,190,000
SMITH MOUNTAIN, VIRGINIA	85,000	285,000
MUSCATINE, IOWA	30,000	60,000
BEE MOUNTAIN, TEXAS	63,400	144,200
DE CORDOVA BEND, TEXAS	78,600	140,000
HIGHTOWER, TEXAS	48,400	86,200
INSPIRATION POINT, TEXAS	59,600	105,900
TURKEY CREEK, TEXAS	55,200	97,800
MORRIS SHEPPARD, TEXAS	A 18,000	40,500 (22,500 EXISTING)
GOBLE CREEK, GEORGIA	300,000	360,000

TABLE II. - PERCENT DEVELOPMENT OF HYDROELECTRIC POWER RESOURCES
JANUARY 1, 1960

By Major Drainages and Selected River Basins

Drainage and river basin	Developed Installed capacity Kw	Undeveloped estimated capacity Kw	Total estimated capacity Kw	Percentage development
United States (Excluding Alaska and Hawaii)	31,912,843	95,301,000	127,213,843	25
Major Drainages				
North Atlantic	2,563,837	7,506,600	10,070,437	25
South Atlantic	2,051,741	3,940,700	5,992,441	34
Eastern Gulf	917,326	3,339,000	4,256,326	22
Ohio River	4,363,657	6,520,300	10,883,957	40
Great Lakes-St. Lawrence	2,287,442	3,877,800	6,165,242	37
Hudson Bay	16,306	17,800	34,106	48
Upper Mississippi River	623,582	847,400	1,470,982	42
Missouri River	1,748,486	9,237,800	10,986,286	16
Lower Mississippi River	757,870	4,939,900	5,697,770	13
Western Gulf	345,310	1,480,200	1,825,510	19
Colorado River	1,819,470	5,889,500	7,708,970	24
Great Basin	490,071	275,700	765,771	64
North Pacific	10,521,628	37,129,700	47,651,328	22
South Pacific	3,406,117	10,298,600	13,704,717	25
Selected River Basins				
Kennebec	208,455	401,500	609,955	34
Androscoggin	146,006	390,100	536,106	27
Merrimack	88,183	297,300	385,483	23
Connecticut	651,939	743,400	1,395,339	47
Hudson	405,306	614,500	1,019,806	40
Susquehanna	624,970	2,281,100	2,906,070	21
Potomac	15,182	771,500	786,682	2
Yadkin-Pee Dee	225,367	353,000	578,367	39
Santee	857,123	898,900	1,756,023	49
Savannah	483,070	975,000	1,458,070	33
Apalachicola	323,898	662,200	986,098	33
Mobile-Alabama	572,325	2,551,200	3,123,525	18
Ohio (Except Tennessee and Cumberland)	490,739	5,154,600	5,645,339	9
Tennessee	3,255,458	521,200	3,776,658	86
Cumberland	617,460	844,500	1,461,960	42
Colorado (Texas)	202,250	178,200	380,450	53
Red	228,500	790,700	1,019,200	22
Arkansas	178,430	1,067,400	1,245,830	14
White	350,940	1,416,000	1,766,940	20
Missouri	1,748,486	9,237,800	10,986,286	16
Wisconsin	150,507	74,300	224,807	67
Colorado	1,819,470	5,889,500	7,708,970	24
Sacramento-San Joaquin 1/	3,242,927	8,862,000	12,104,927	27
Columbia	9,095,284	33,187,600	42,282,884	22
Total - Listed Basins	25,982,275	78,163,500	104,145,775	25

1/ Including Tulare Lake and Buena Vista Lake Basins.

TABLE 12. - PERCENT DEVELOPMENT OF HYDROELECTRIC POWER RESOURCES
JANUARY 1, 1960

By Geographic Divisions and States

Division and state	Developed installed capacity Kw	Undeveloped estimated capacity Kw	Total estimated capacity Kw	Percentage development
United States (Excluding Alaska and Hawaii)	31,912,843	95,301,000	127,213,843	25
New England	1,522,697	2,857,900	4,380,597	35
Middle Atlantic	2,478,089	7,465,400	9,943,489	25
East North Central	936,740	3,047,600	3,984,340	23
West North Central	1,448,267	6,542,550	7,990,817	18
South Atlantic	3,800,104	8,388,000	12,188,104	31
East South Central	3,755,508	4,612,500	8,368,008	45
West South Central	948,620	3,887,100	4,835,720	24
Mountain	4,520,988	23,243,400	27,764,388	16
Pacific	12,501,830	35,256,600	47,758,430	26
New England				
Maine	499,656	1,257,100	1,756,756	28
New Hampshire	446,396	594,500	1,040,896	43
Vermont	199,935	453,700	653,635	31
Massachusetts	229,133	244,500	473,633	48
Rhode Island	4,317	0	4,317	100
Connecticut	143,260	158,100	301,360	47
Middle Atlantic				
New York	2,033,232	3,935,400	5,968,632	34
New Jersey	8,678	225,000	233,678	4
Pennsylvania	436,179	3,305,000	3,741,179	12
East North Central				
Ohio	11,924	342,000	353,924	3
Indiana	32,264	755,000	787,264	4
Illinois	41,521	1,211,800	1,253,321	3
Michigan	424,739	328,050	752,789	56
Wisconsin	426,292	410,800	837,092	51
West North Central				
Minnesota	191,075	230,850	421,925	45
Iowa	139,678	433,400	573,078	24
Missouri	298,300	2,837,800	3,136,100	9
North Dakota	240,000	358,800	598,800	40
South Dakota	333,046	1,721,500	2,054,546	16
Nebraska	240,258	670,200	910,458	26
Kansas	5,910	290,000	295,910	2
South Atlantic				
Delaware	600	0	600	100
Maryland	274,165	360,000	634,165	43
District of Columbia	3,000	0	3,000	100
Virginia	420,530	1,476,400	1,896,930	22
West Virginia	207,560	2,161,000	2,368,560	9
North Carolina	1,223,662	1,326,900	2,550,562	48
South Carolina	968,449	788,300	1,627,926	59
Georgia	659,477	2,215,400	2,874,877	23
Florida	42,661	60,000	102,661	41
East South Central				
Kentucky	542,380	1,724,500	2,266,880	24
Tennessee	1,912,788	333,300	2,246,088	85
Alabama	1,300,340	2,144,790	3,445,130	38
Mississippi	0	409,900	409,900	0
West South Central				
Arkansas	390,740	1,562,400	1,953,140	20
Louisiana	0	45,500	45,500	0
Oklahoma	166,000	793,400	959,400	17
Texas	391,880	1,485,800	1,877,680	21
Mountain				
Montana	1,150,950	6,222,300	7,373,250	16
Idaho	1,250,715	8,957,050	10,207,765	12
Wyoming	165,837	971,900	1,137,737	15
Colorado	254,940	1,776,700	2,031,640	12
New Mexico	24,830	181,500	206,330	12
Arizona	982,790	3,936,700	4,919,490	20
Utah	100,826	1,072,200	1,173,026	9
Nevada	590,100	125,000	715,100	82
Pacific				
Washington	6,272,626	19,133,600	25,406,226	25
Oregon	2,427,132	5,823,450	8,250,582	29
California	3,802,072	10,299,550	14,101,622	27

TABLE 13. - HYDROELECTRIC PLANTS UNDER FPC LICENSE
IN OPERATION, UNDER CONSTRUCTION, AND AUTHORIZED - JANUARY 1, 1960 ^{1/}

PRO- JECT NO.	LICENSEE	PLANT	RIVER	STATE	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
IN OPERATION (Black)							
5	The Montana Power Co.	Kerr	Flathead	Mont.	168,000	-	168,000
13	Ford Motor Co.	Green Island	Hudson	N.Y.	7,200	-	7,200
16 A	Niagara Mohawk Pwr. Corp.	E.D. Adams	Niagara	N.Y.	80,000	-	80,000
16 B	Niagara Mohawk Pwr. Corp.	Schoellkopf	Niagara	N.Y.	89,500	-	89,500
18	Idaho Power Co.	Twin Falls	Snake	Idaho	13,500	-	13,500
20	Utah Power and Light Co.	Soda	Bear	Idaho	14,000	-	14,000
67 A	Southern Calif. Edison Co.	Big Creek No. 8	San Joaquin	Calif.	58,850	-	58,850
67 B	Southern Calif. Edison Co.	Big Creek No. 2A	Big Cr.	Calif.	80,000	-	80,000
77	Pacific Gas and Elec. Co.	Potter Valley	Russian	Calif.	9,040	-	9,040
78	Pacific Gas and Elec. Co.	American River	S.Fk. American	Calif.	5,477	-	5,477
82	Alabama Power Co.	Mitchell	Coosa	Ala.	72,500	-	72,500
88	Merced Irrigation Dist.	Exchequer	Merced	Calif.	31,250	-	31,250
96	Pacific Gas and Elec. Co.	Kerckhoff	San Joaquin	Calif.	34,080	-	34,080
99	Pacific Gas and Elec. Co.	Junction City	Trinity	Calif.	2,720	-	2,720
120	Southern Calif. Edison Co.	Big Creek No. 3	San Joaquin	Calif.	107,100	-	138,600
135	Portland General Elec. Co.	Oak Grove	Clackamas	Oreg.	51,000	-	76,500
137 A	Pacific Gas and Elec. Co.	New Electra	Mokelumne	Calif.	89,100	-	89,100
137 B	Pacific Gas and Elec. Co.	West Point	N.Fk. Mokelumne	Calif.	13,600	-	13,600
137 C	Pacific Gas and Elec. Co.	Tiger Creek	N.Fk. Mokelumne	Calif.	51,000	-	51,000
137	Pacific Gas and Elec. Co.	Salt Springs	N.Fk. Mokelumne	Calif.	9,350	-	9,350
137 D	Pacific Gas and Elec. Co.	Bear River	N.Fk. Mokelumne	Calif.	29,700	-	29,700
175	Pacific Gas and Elec. Co.	Balch	N.Fk. Kings	Calif.	128,200	-	128,200
176	Escondido Mutual Water Co.	Rincon Water	San Luis Rey	Calif.	240	-	240
176	Escondido Mutual Water Co.	Bear Valley	Escondido Cr.	Calif.	520	-	520
177	Florida Power Corporation	Moss Bluff	Oklawaha	Fla.	480	-	480
178	Pacific Gas and Elec. Co.	Kern Canyon	Kern	Calif.	8,480	-	8,480
184	Pacific Gas and Elec. Co.	El Dorado	S.Fk. American	Calif.	20,000	-	20,000
187	Pacific Gas and Elec. Co.	Bullards Bar	N.Fk. Yuba	Calif.	6,500	-	6,500
190	Utah Power and Light Co.	Uintah	Uintah	Utah	1,200	-	1,200
199	So. Carolina Pub. Serv. Auth.	Pinopolis	Santee Cooper	S.C.	132,615	-	163,215
199	So. Carolina Pub. Serv. Auth.	Spillway	Santee	S.C.	1,920	-	1,920
204	The Washington Wtr. Pwr. Co.	Grangeville	S.Fk. Clearwater	Idaho	1,000	-	1,000
233 A	Pacific Gas and Elec. Co.	Pit No. 5	Pit	Calif.	128,000	-	128,000
233 B	Pacific Gas and Elec. Co.	Pit No. 4	Pit	Calif.	90,000	-	90,000
233 C	Pacific Gas and Elec. Co.	Pit No. 3	Pit	Calif.	72,360	-	72,360
271 A	Arkansas Pwr. and Lt. Co.	Rommel	Ouachita	Ark.	9,300	-	15,500
271 B	Arkansas Pwr. and Lt. Co.	Carpenter	Ouachita	Ark.	56,000	-	84,000
287	No. Counties Hydro Elec. Co.	Dayton	Fox	Ill.	3,680	-	3,680
289	Louisville Gas and Elec. Co.	Ohio Falls	Ohio	Ky.	80,320	-	100,000
308	Pacific Pwr. and Lt. Co.	Wallowa Falls	E.Fk. Wallowa	Oreg.	800	-	800
309	Pennsylvania Elec. Co.	Piney	Clarion	Pa.	28,800	-	38,400
344	California Elec. Pwr. Co.	San Gorgonio No. 2	San Gorgonio Cr.	Calif.	750	-	750
344	California Elec. Pwr. Co.	San Gorgonio No. 1	San Gorgonio Cr.	Calif.	1,500	-	1,500
346	Minnesota Power and Lt. Co.	Blanchard	Mississippi	Minn.	12,000	-	18,000
349	Alabama Power Co.	Martin Dam	Tallapoosa	Ala.	154,200	-	154,200
362	Ford Motor Co.	Twin City	Mississippi	Minn.	14,400	-	14,400
372	Southern Calif. Edison Co.	Lower Tule	Tule	Calif.	2,000	-	2,000
382	Southern Calif. Edison Co.	Borel	Kern	Calif.	9,200	-	9,200
400	The Western Colorado Pwr. Co.	Tacoma	Las Animas	Colo.	8,000	-	8,000
400	The Western Colorado Pwr. Co.	Ilium	Lake Fork	Colo.	1,200	-	1,200
400	The Western Colorado Pwr. Co.	New Ames	Lake Fork	Colo.	3,600	-	3,600
401	Michigan Gas and Elec. Co.	Mottville	St. Joseph	Mich.	1,680	-	1,680
405	Susq. Pwr. & Phila. Elec. Pwr.	Conowingo	Susquehanna	Md.	254,240	-	398,240
432	Carolina Power and Lt. Co.	Walters	Big Pigeon	N.C.	108,600	-	108,600
459	Union Electric Co. of Mo.	Osage	Osage	Mo.	176,200	-	176,200
469	Minnesota Power and Lt. Co.	Winton	Kawishiwi	Minn.	4,000	-	4,000
472	Utah Power and Light Co.	Oneida	Bear	Idaho	30,000	-	30,000
485	Georgia Power Co.	Bartlett's Ferry	Chattahoochee	Ga.	65,000	-	65,000
486	Utah Power and Light Co.	Logan	Logan	Utah	2,000	-	2,000
487	Pennsylvania Pwr. and Lt. Co.	Wallenpaupack	Lackawaxen	Pa.	40,000	-	40,000
503	Idaho Power Co.	Swan Falls	Snake	Idaho	10,265	-	10,265
516	So. Carolina Elec. and Gas Co.	Saluda	Saluda	S.C.	130,000	-	195,000
539	Kentucky Utilities Co.	Lock No. 7	Kentucky	Ky.	2,040	-	2,040
553 A	Seattle Dept. of Lighting	Gorge	Skagit	Wash.	134,400	-	134,400
553 B	Seattle Dept. of Lighting	Diablo	Skagit	Wash.	122,400	-	122,400
553 C	Seattle Dept. of Lighting	Ross	Skagit	Wash.	360,000	-	360,000
588	Crown Zellerbach Corp.	Glides Canyon	Elwha	Wash.	12,000	-	12,000
597	Utah Power and Light Co.	Stairs	Big Cottonwood	Utah	1,000	-	1,000
618	Alabama Power Co.	Jordan Dam	Coosa	Ala.	100,000	-	125,000
619	Pacific Gas and Elec. Co.	Bucks Creek	N.Fk. Feather	Calif.	66,000	-	66,000

TABLE 13 (Contd) - HYDROELECTRIC PLANTS UNDER FPC LICENSE

PROJECT NO.	LICENSEE	PLANT	RIVER	STATE	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
IN OPERATION (Black) Continued							
621	The Washington Wtr. Pwr. Co.	Lewiston	Clearwater	Idaho	10,000	-	10,000
632	Monroe City Corp.	Lower Monroe	Monroe Cr.	Utah	100	-	100
637	Chelan County PUD No. 1	Chelan	Chelan	Wash.	48,000	-	96,000
659	Crisp County Power Comm.	Cordele	Flint	Ga.	15,200	-	15,200
665	Utah Power and Light Co.	Santaquin	Summit Cr.	Utah	880	-	880
671	Utah Power and Light Co.	Alpine	Dry Cr.	Utah	1,750	-	1,750
682	Florida Power Corporation	Jackson Bluff	Ocklockonee	Fla.	8,800	-	8,800
693	Highlands, Town of	Highlands	Cullasaja Cr.	N.C.	250	-	250
696	Utah Power and Light Co.	Upper American Fk.	American Fork	Utah	950	-	950
703	Utah Power and Light Co.	Paris	Paris Cr.	Idaho	650	-	650
710	Wisconsin Power and Lt. Co.	Shawano	Wolf	Wis.	700	-	700
713	Utah Power and Light Co.	Upper Mill Creek	Mill Cr.	Utah	300	-	300
739	Appalachian Power Co.	Claytor	New	Va.	75,000	-	75,000
749	Calif. Pacific Util. Co.	Malad City	Birch Cr.	Idaho	200	-	200
785	Allegan, City of	Allegan City	Kalamazoo	Mich.	2,550	-	2,550
814	Telluride Power Co.	Lower Beaver	Beaver	Utah	600	-	600
814	Telluride Power Co.	Upper Beaver	Beaver	Utah	2,400	-	2,400
912	Citizens Utilities Co.	Wallace	Placer Cr.	Idaho	240	-	240
925	Ottumwa, City of	Ottumwa	Des Moines	Iowa	3,000	-	3,000
936	Pacific Pwr. and Lt. Co.	Merwin	Lewis	Wash.	136,000	-	181,000
943	Chelan County PUD No. 1	Rock Island	Columbia	Wash.	213,325	-	213,325
946	Hyrum City Corp	Hyrum	Blacksmith Fork	Utah	400	-	400
1025	Safe Harbor Wtr. Pwr. Corp.	Safe Harbor	Susquehanna	Pa.	230,000	-	380,000
1175 A	Kanawha Valley Power Co.	Marmet	Kanawha	W. Va.	14,400	-	14,400
1175 B	Kanawha Valley Power Co.	London	Kanawha	W. Va.	14,400	-	14,400
1198	Lower Val. Pwr. and Lt. Co.	Jackson No. 1	Flat Cr.	Wyo.	455	-	455
1212	Ephram, City of	No. 1	City Cr.	Utah	150	-	150
1218	Georgia Power Co.	Flint River	Flint	Ga.	5,400	-	5,400
1235	Radford Municipal Pwr.	Radford	Little	Va.	800	-	800
1250	Pasadena, City of	Azusa	San Gabriel	Calif.	3,000	-	3,000
1256	Loup River Pub. Pwr. Dist.	Columbus	Loup Canal	Nebr.	39,900	-	39,900
1256	Loup River Pub. Pwr. Dist.	Monroe	Loup Canal	Nebr.	7,838	-	7,838
1267	Greenwood County Comm.	Buzzard Roost	Saluda	S.C.	15,000	-	15,000
1273	Parowan City Corporation	Parowan	Center Cr.	Utah	1,050	-	1,050
1290	Kanawha Valley Power Co.	Winfield	Kanawha	W. Va.	14,760	-	14,760
1333	Pacific Gas and Elec. Co.	Tule River	N.Fk. Tule	Calif.	4,800	-	4,800
1354	Pacific Gas and Elec. Co.	A. G. Wishon	N.Fk. Willow Cr.	Calif.	12,800	-	12,800
1354	Pacific Gas and Elec. Co.	San Joaquin No. 1A	N.Fk. Willow Cr.	Calif.	340	-	340
1354	Pacific Gas and Elec. Co.	San Joaquin No. 2	N.Fk. Willow Cr.	Calif.	2,400	-	2,400
1354	Pacific Gas and Elec. Co.	San Joaquin No. 3	N.Fk. Willow Cr.	Calif.	4,000	-	4,000
1354	Pacific Gas and Elec. Co.	Crane Valley	N.Fk. Willow Cr.	Calif.	800	-	800
1388	California Elec. Pwr. Co.	Poole	Leevining Cr.	Calif.	10,000	-	10,000
1389	California Elec. Pwr. Co.	Rush Creek	Rush Cr.	Calif.	8,400	-	8,400
1390	California Elec. Pwr. Co.	Mill Creek	Mill Cr.	Calif.	2,400	-	2,400
1393	Pend Oreille Mines Mtl. Co.	Metaline Falls	Pend Oreille	Wash.	3,600	-	3,600
1394	California Elec. Pwr. Co.	Bishop Cr. No. 5	Bishop Cr.	Calif.	3,500	-	3,500
1394	California Elec. Pwr. Co.	Bishop Cr. No. 4	Bishop Cr.	Calif.	6,300	-	6,300
1394	California Elec. Pwr. Co.	Bishop Cr. No. 3	Bishop Cr.	Calif.	6,600	-	6,600
1394	California Elec. Pwr. Co.	Bishop Cr. No. 2	Bishop Cr.	Calif.	6,320	-	6,320
1403	Pacific Gas and Elec. Co.	Narrows	Yuba	Calif.	9,350	-	9,350
1417 A	Ctl. Nebr. Pub. Pwr. & ID	Johnson No. 2	Platte Canal	Nebr.	18,000	-	36,000
1417 B	Ctl. Nebr. Pub. Pwr. & ID	Johnson No. 1	Platte Canal	Nebr.	18,000	-	18,000
1417 C	Ctl. Nebr. Pub. Pwr. & ID	Jeffrey Canyon	Platte Canal	Nebr.	18,000	-	18,000
1447	Pacific Pwr. and Lt. Co.	Cove No. 1 and 2	Crooked	Oreg.	1,250	-	1,250
1473	The Montana Power Co.	Flint Creek	Flint Cr.	Mont.	1,100	-	1,100
1487	Quinault Light Company	Quinault	Zeigler Cr.	Wash.	250	-	250
1490	Brazos River Authority	Morris Sheppard	Brazos	Texas	22,500	-	22,500
1494	Grand River Dam Authority	Pensacola	Grand	Okla.	86,900	-	86,900
1510	Kaukauna Elec. Wtr. Dist.	Kaukauna	Fox	Wis.	4,800	-	4,800
1517	Monroe City Corp.	Upper Monroe	Monroe Cr.	Utah	125	-	125
1533	Swanson Mining Corp.	Salyer	Trinity	Calif.	1,600	-	1,600
1574	Manti City Light and Pwr.	Manti	Manti Cr.	Utah	520	-	520
1651	Lower Val. Pwr. and Lt. Co.	Afton Lower	Swift Cr.	Wyo.	180	-	180
1651	Lower Val. Pwr. and Lt. Co.	Afton Upper	Swift Cr.	Wyo.	800	-	800
1740	Calif. Pacific Util. Co.	Cokeville	Pine Cr.	Wyo.	350	-	350
1744	Utah Power and Light Co.	Weber	Weber	Utah	2,500	-	2,500
1759	Wisconsin Michigan Pwr. Co.	Twin Falls	Menominee	Mich.	5,740	-	5,740
1759	Wisconsin Michigan Pwr. Co.	Peavy Falls	Michigamme	Mich.	15,000	-	15,000
1759	Wisconsin Michigan Pwr. Co.	Way Dam	Michigamme	Mich.	1,800	-	1,800
1773	Moon Lake Elec. Assn. Inc.	Yellowstone	Yellowstone Cr.	Utah	900	-	900

TABLE 13 (Contd) - HYDROELECTRIC PLANTS UNDER FPC LICENSE

PRO- JECT NO.	LICENSEE	PLANT	RIVER	STATE	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
		IN OPERATION (Black) Continued					
1835	Platte Val Pub. Pwr. & ID	North Platte	N. Platte Canal	Nebr.	26,100	-	52,200
1855	New England Power Co.	Bellows Falls	Connecticut	Vt.	40,800	-	40,800
1858	Beaver City Corporation	Beaver	Beaver	Utah	720	-	720
1862 A	Tacoma Dept. of Pub. Utils.	La Grande	Nisqually	Wash.	64,400	-	64,400
1862 B	Tacoma Dept. of Pub. Utils.	Alder	Nisqually	Wash.	50,000	-	50,000
1869	The Montana Power Co.	Thompson Falls	Clark Fork	Mont.	30,000	-	30,000
1881	Pennsylvania Pwr. and Lt. Co.	Holtwood	Susquehanna	Pa.	109,800	-	109,800
1888	Metropolitan Edison Co.	York Haven	Susquehanna	Pa.	19,620	-	19,620
1889	Western Mass. Elec. Co.	Cabot	Connecticut Canal	Mass.	51,000	-	51,000
1889	Western Mass. Elec. Co.	Turners Falls	Connecticut Canal	Mass.	4,840	-	4,840
1892	New England Power Co.	Wilder	Connecticut	N.H.-Vt.	32,400	-	32,400
1893	Public Service Co. of N.H.	Amoskeag	Merrimack	N.H.	16,000	-	16,000
1894	So. Carolina Elec. and Gas Co.	Parr	Broad	S.C.	14,880	-	14,880
1895	So. Carolina Elec. and Gas Co.	Columbia	Broad	S.C.	10,600	-	10,600
1899	Pennsylvania Elec. Co.	Oakland	Susquehanna	Pa.	600	-	600
1903	Concord Electric Co.	Sewalls Falls	Merrimack	N.H.	2,000	-	2,000
1904	New England Power Co.	Vernon	Connecticut	N.H.	24,400	-	24,400
1913	Public Service Co. of N. H.	Hooksett	Merrimack	N.H.	1,600	-	1,600
1927 A	The Calif. Oregon Pwr. Co.	Soda Springs	N. Umpqua	Oreg.	11,000	-	11,000
1927 B	The Calif. Oregon Pwr. Co.	Slide Creek	N. Umpqua	Oreg.	18,000	-	18,000
1927 C	The Calif. Oregon Pwr. Co.	Toketee Falls	N. Umpqua	Oreg.	42,500	-	42,500
1927 D	The Calif. Oregon Pwr. Co.	Fish Creek	N. Umpqua	Oreg.	11,000	-	11,000
1927 E	The Calif. Oregon Pwr. Co.	Clearwater No. 2	Clearwater	Oreg.	26,000	-	26,000
1927 F	The Calif. Oregon Pwr. Co.	Clearwater No. 1	Clearwater	Oreg.	15,000	-	15,000
1927 G	The Calif. Oregon Pwr. Co.	Lemolo No. 2	N. Umpqua	Oreg.	33,000	-	33,000
1927 H	The Calif. Oregon Pwr. Co.	Lemolo No. 1	N. Umpqua	Oreg.	29,000	-	29,000
1930	Southern Calif. Edison Co.	Kern River No. 1	Kern	Calif.	16,000	-	16,000
1932	Southern Calif. Edison Co.	Lytle Creek	Lytle Cr.	Calif.	400	-	400
1933	Southern Calif. Edison Co.	Santa Ana No. 2	Santa Ana	Calif.	800	-	800
1933	Southern Calif. Edison Co.	Santa Ana No. 1	Santa Ana	Calif.	2,400	-	2,400
1934	Southern Calif. Edison Co.	Mill Creek No. 2	Mill Cr.	Calif.	200	-	200
1934	Southern Calif. Edison Co.	Mill Creek No. 3	Mill Cr.	Calif.	1,800	-	1,800
1940	Wisconsin Pub. Serv. Corp.	Tomahawk	Wisconsin	Wis.	2,600	-	2,600
1951	Georgia Power Co.	Sinclair	Oconee	Ga.	45,000	-	45,000
1953	Consolidated Water Pwr. Co.	Du Bay	Wisconsin	Wis.	7,200	-	7,200
1957	Wisconsin Pub. Serv. Corp.	Otter Rapids	Wisconsin	Wis.	700	-	700
1960	Dairyland Pwr. Coop.	Flambeau	Flambeau	Wis.	15,000	-	15,000
1962 A	Pacific Gas and Elec. Co.	Cresta	N.Fk. Feather	Calif.	67,500	-	67,500
1962 B	Pacific Gas and Elec. Co.	Rock Creek	N.Fk. Feather	Calif.	113,400	-	113,400
1966	Wisconsin Pub. Serv. Corp.	Grandfather	Wisconsin	Wis.	17,240	-	17,240
1967	Whiting Plover Paper Co.	Stevens Point	Wisconsin	Wis.	625	-	625
1968	Wisconsin Pub. Serv. Corp.	Hat Rapids	Wisconsin	Wis.	1,760	-	1,760
1971 C	Idaho Power Co.	Brownlee	Snake	Idaho	360,400	-	540,600
1975	Idaho Power Co.	Bliss	Snake	Idaho	75,000	-	100,000
1979	Wisconsin Pub. Serv. Corp.	Alexander	Wisconsin	Wis.	4,200	-	4,200
1980	Wisconsin Michigan Pwr. Co.	Big Quinnesec	Menominee	Mich.	16,000	-	24,000
1980	Wisconsin Michigan Pwr. Co.	Quinnesec Falls	Menominee	Mich.	3,530	-	3,530
1981	Oconto Electric Coop.	Stiles	Oconto	Wis.	1,000	-	1,000
1982	Northern Sts. Pwr. Co. (Wis.)	Holcombe	Chippewa	Wis.	33,750	-	33,750
1984 A	Wisconsin River Power Co.	Castle Rock	Wisconsin	Wis.	15,000	-	15,000
1984 B	Wisconsin River Power Co.	Petenwell	Wisconsin	Wis.	20,000	-	20,000
1985	Calif. Pacific Util. Co.	Cove	Mill Cr.	Oreg.	300	-	300
1986	Calif. Pacific Util. Co.	Rock Creek	Rock Cr.	Oreg.	800	-	800
1987	Calif. Pacific Util. Co.	Fremont	Lost Cr.	Oreg.	1,100	-	1,100
1988 B	Pacific Gas and Elec. Co.	Haas	N.Fk. Kings	Calif.	135,000	-	135,000
1989	Wisconsin Pub. Serv. Corp.	Merrill	Wisconsin	Wis.	840	-	840
1991	Bonnars Ferry, Village of	Moyie No. 2	Moyie	Idaho	2,000	-	2,000
1994	Heber Light and Pwr. Plant	Snake Creek	Snake Cr.	Utah	800	-	800
1999	Wisconsin Pub. Serv. Corp.	Wausau West	Wisconsin	Wis.	5,400	-	5,400
2000	Pwr. Auth. State of N. Y.	Robert Moses	St. Lawrence	N.Y.	912,000	-	912,000
2004	Holyoke Water Power Co.	Hadley Falls	Connecticut	Mass.	15,000	-	60,000
2004	Holyoke Water Power Co.	Riverside Station	Connecticut Canal	Mass.	7,640	-	7,640
2004	Holyoke Water Power Co.	Beebee Holbrook	Connecticut Canal	Mass.	516	-	516
2004	Holyoke Water Power Co.	Boatlock Station	Connecticut Canal	Mass.	2,900	-	2,900
2005	Oakdale S. San Joaquin ID	Beardsley	M.Fk. Stanislaus	Calif.	9,990	-	9,990
2005	Oakdale S. San Joaquin ID	Donnells	M.Fk. Stanislaus	Calif.	54,000	-	54,000
2009	Virginia Elec. and Pwr. Co.	Roanoke Rapids	Roanoke	N.C.	100,080	-	100,080
2017	Southern Calif. Edison Co.	Big Creek No. 4	San Joaquin	Calif.	84,650	-	84,650
2019	Pacific Gas and Elec. Co.	Murphys	Angels Cr.	Calif.	3,600	-	3,600
2030	Portland General Elec. Co.	Pelton	Deschutes	Oreg.	108,000	-	108,000

TABLE 13 (Contd) - HYDROELECTRIC PLANTS UNDER FPC LICENSE

PRO- JECT NO.	LICENSEE	PLANT	RIVER	STATE	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
		IN OPERATION (Black) Continued					
2032	Lower Val. Pwr. and Lt. Inc.	Strawberry	Strawberry Cr.	Wyo.	1,500	-	1,500
2042	Pend Oreille PUD No. 1	Box Canyon	Pend Oreille	Wash.	60,000	-	60,000
2047	Niagara Mohawk Pwr. Corp.	Stewarts Bridge	Sacandaga	N.Y.	30,000	-	30,000
2053	Fall River Power Co.	Fall River	Fall	Colo.	600	-	600
2055	Idaho Power Co.	C. J. Strike	Snake	Idaho	82,800	-	82,800
2056	Northern Sts. Pwr. Co. (Minn.)	Lower Dam	Mississippi	Minn.	8,000	-	8,000
2056	Northern Sts. Pwr. Co. (Minn.)	Hennepin Island	Mississippi	Minn.	12,400	-	12,400
2056	Northern Sts. Pwr. Co. (Minn.)	Consolidated	Mississippi	Minn.	2,730	-	2,730
2056	Northern Sts. Pwr. Co. (Minn.)	Main Street	Mississippi	Minn.	960	-	960
2058	The Washington Wtr. Pwr. Co.	Cabinet Gorge	Clark Fork	Idaho	200,000	-	200,000
2061	Idaho Power Co.	Lower Salmon	Snake	Idaho	60,000	-	60,000
2064	North Central Pwr. Co.	Winter	E.Fk. Chippewa	Wis.	650	-	650
2067	Oakdale S. San Joaquin ID	Tulloch	Stanislaus	Calif.	17,100	-	17,100
2069	Ariz. Public Service Co.	Childs	Verde	Ariz.	5,400	-	5,400
2069	Ariz. Public Service Co.	Irving	Fossil Cr.	Ariz.	1,600	-	1,600
2071	Pacific Pwr. and Lt. Co.	Yale	Lewis	Wash.	108,000	-	216,000
2072	Wisconsin Michigan Pwr. Co.	Lower Paint	Paint	Mich.	100	-	100
2073	Wisconsin Michigan Pwr. Co.	Michigamme Falls	Michigamme	Mich.	9,600	-	9,600
2074	Wisconsin Michigan Pwr. Co.	Hemlock Falls	Michigamme	Mich.	2,800	-	2,800
2075	The Washington Wtr. Pwr. Co.	Noxon Rapids	Clark Fork	Mont.	252,000	84,000	420,000
2077 A	New England Power Co.	McIndoes	Connecticut	N.H.	10,560	-	10,560
2077 B	New England Power Co.	Comerford	Connecticut	N.H.	140,400	-	140,400
2077 C	New England Power Co.	S. C. Moore	Connecticut	N.H.	140,400	-	140,400
2082	The Calif. Oregon Pwr. Co.	Big Bend	Klamath	Oreg.	79,900	-	79,900
2084 A	Niagara Mohawk Pwr. Corp.	South Colton	Raquette	N.Y.	19,350	-	19,350
2084 B	Niagara Mohawk Pwr. Corp.	Five Falls	Raquette	N.Y.	22,500	-	22,500
2084 C	Niagara Mohawk Pwr. Corp.	Rainbow Falls	Raquette	N.Y.	22,500	-	22,500
2084 D	Niagara Mohawk Pwr. Corp.	Blake Falls	Raquette	N.Y.	14,400	-	14,400
2084 E	Niagara Mohawk Pwr. Corp.	Stark	Raquette	N.Y.	22,500	-	22,500
2089	Minnkota Pwr. Coop. Inc.	Big Falls	Big Fork	Minn.	600	-	600
2090	Green Mountain Power Corp.	Waterbury No. 22	Waterbury	Vt.	5,520	-	5,520
2095	International Paper Co.	York Haven	Susquehanna	Pa.	2,500	-	2,500
2105 B	Pacific Gas and Elec. Co.	Caribou No. 1	N.Fk. Feather	Calif.	75,000	-	75,000
2105 C	Pacific Gas and Elec. Co.	Caribou No. 2	N.Fk. Feather	Calif.	109,800	-	109,800
2105 D	Pacific Gas and Elec. Co.	Butt Valley	Butt Creek	Calif.	36,000	-	36,000
2107	Pacific Gas and Elec. Co.	Poe	N.Fk. Feather	Calif.	124,200	-	124,200
2110	Consolidated Water Pwr. Co.	Stevens Point	Wisconsin	Wis.	3,840	-	3,840
2111	Pacific Pwr. and Lt. Co.	Swift No. 1	Lewis	Wash.	204,000	-	204,000
2114 A	Grant County PUD No. 2	Priest Rapids	Columbia	Wash.	236,550	551,950	1,261,600
2130 A	Pacific Gas and Elec. Co.	Melones	Stanislaus	Calif.	24,300	-	24,300
2130 B	Pacific Gas and Elec. Co.	Stanislaus	Stanislaus	Calif.	28,900	-	28,900
2130	Pacific Gas and Elec. Co.	Spring Gap	M.Fk. Stanislaus	Calif.	6,000	-	6,000
2131	Wisconsin Michigan Pwr. Co.	Kingsford	Menominee	Mich.	7,200	-	7,200
2140	Public Service Co. of N. H.	Garvins Falls	Merrimack	N.H.	7,200	-	7,200
2142	Central Maine Power Co.	Harris	Kennebec	Maine	76,400	-	76,400
2146 B	Alabama Power Co.	Lay Dam	Coosa	Ala.	81,000	-	177,000
2150 A	Puget Sound Pwr. and Lt. Co.	Lower Baker	Baker	Wash.	39,950	57,600	97,550
2150 B	Puget Sound Pwr. and Lt. Co.	Upper Baker	Baker	Wash.	94,400	-	94,400
2161	Rhineland Paper Co.	Rhineland	Wisconsin	Wis.	2,120	-	2,120
2169 A	Tapoco Inc.	Chilhowee	Little Tennessee	Tenn.	50,000	-	50,000
2169 B	Tapoco Inc.	Calderwood	Little Tennessee	Tenn.	121,500	-	121,500
2169 C	Tapoco Inc.	Santeetlah	Cheoah	N.C.	45,000	-	45,000
2169 D	Tapoco Inc.	Cheoah	Little Tennessee	N.C.	110,000	-	110,000
2174	Southern Calif. Edison Co.	Portal	Big Cr.	Calif.	10,000	-	10,000
2175 A	Southern Calif. Edison Co.	Big Creek No. 2	Big Cr.	Calif.	57,750	-	57,750
2175 B	Southern Calif. Edison Co.	Big Creek No. 1	Big Cr.	Calif.	67,000	-	67,000
2177 B	Georgia Power Co.	Oliver	Chattahoochee	Ga.	60,000	-	60,000
2177 C	Georgia Power Co.	Goat Rock	Chattahoochee	Ga.	26,000	-	26,000
2180	Owens-Illinois Glass Co.	Grandmother	Wisconsin	Wis.	3,000	-	3,000
2181	Northern Sts. Pwr. Co. (Wis.)	Menominee	Red Cedar	Wis.	5,400	-	5,400
2188 A	The Montana Power Co.	Morony	Missouri	Mont.	45,000	-	45,000
2188 B	The Montana Power Co.	Ryan	Missouri	Mont.	48,000	-	48,000
2188 C	The Montana Power Co.	Cochrane	Missouri	Mont.	48,000	-	48,000
2188 D	The Montana Power Co.	Rainbow	Missouri	Mont.	35,600	-	35,600
2188 E	The Montana Power Co.	Black Eagle	Missouri	Mont.	16,800	-	16,800
2188 F	The Montana Power Co.	Holter	Missouri	Mont.	38,400	-	38,400
2188 G	The Montana Power Co.	Hauser Lake	Missouri	Mont.	17,000	-	17,000
2188	The Montana Power Co.	Madison No. 2	Madison	Mont.	9,000	-	9,000
2192	Consolidated Water Pwr. Co.	Biron No. 2	Wisconsin	Wis.	3,300	-	3,300
2194	Central Maine Power Co.	Bar Mills	Saco	Maine	4,000	-	4,000

TABLE 13 (Contd) - HYDROELECTRIC PLANTS UNDER FPC LICENSE

PRO- JECT NO.	LICENSEE	PLANT	RIVER	STATE	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
IN OPERATION (Black) Continued							
2195	Portland General Elec. Co.	North Fork	Clackamus	Oreg.	38,400	-	57,600
2197 A	Yadkin Inc.	Yadkin Falls	Yadkin	N.C.	20,300	-	20,300
2197 B	Yadkin Inc.	Yadkin Narrows	Yadkin	N.C.	81,200	-	81,200
2197 D	Yadkin Inc.	High Rock	Yadkin	N.C.	33,000	-	33,000
2198	Southern Calif. Edison Co.	Santa Ana No. 3	Santa Ana	Calif.	1,200	-	1,200
2206 A	Carolina Power and Lt. Co.	Blewett	Pee Dee	N.C.	24,600	-	24,600
2206 B	Carolina Power and Lt. Co.	Tillery	Yadkin	N.C.	62,450	22,000	84,450
2207	Mosinee Paper Mills Co.	Mosinee	Wisconsin	Wis.	3,400	-	3,400
2212	American Can Co.	Rothschild	Wisconsin	Wis.	4,225	-	4,225
2213	Cowlitz County PUD No. 1	Swift No. 2	Lewis	Wash.	70,000	-	70,000
2219	Garkane Power Assn. Inc.	Boulder Creek	Boulder Cr.	Utah	2,750	-	4,150
2221	Empire Dist. Elec. Co.	Ozark Beach	White	Mo.	16,000	-	16,000
2232 A	Duke Power Co.	Waterree	Waterree	S.C.	56,000	-	56,000
2232 B	Duke Power Co.	Rocky Creek	Catawba	S.C.	24,400	-	24,400
2232 C	Duke Power Co.	Cedar Creek	Catawba	S.C.	45,000	-	45,000
2232 D	Duke Power Co.	Dearborn	Catawba	S.C.	45,000	-	45,000
2232 E	Duke Power Co.	Great Falls	Catawba	S.C.	24,800	-	24,800
2232 F	Duke Power Co.	Fishing Creek	Catawba	S.C.	36,720	-	36,720
2232 G	Duke Power Co.	Catawba	Catawba	S.C.	60,000	-	60,000
2232 H	Duke Power Co.	Mountain Island	Catawba	N.C.	60,000	-	60,000
2232 J	Duke Power Co.	Lookout Shoals	Catawba	N.C.	19,370	-	19,370
2232 K	Duke Power Co.	Oxford	Catawba	N.C.	36,000	-	36,000
2232 L	Duke Power Co.	Rhodhiss	Catawba	N.C.	25,500	-	25,500
2232 M	Duke Power Co.	Bridgewater	Catawba	N.C.	20,000	-	20,000
2237	Georgia Power Co.	Morgan Falls	Chattahoochee	Ga.	16,800	-	16,800
2239	Tomahawk Pwr. Co.	Kings Dam	Wisconsin	Wis.	250	-	250
2256	Consolidated Water Pwr. Co.	Wisc. Rapids No. 1	Wisconsin	Wis.	4,160	-	4,160
TOTALS - AT 307 PLANTS IN OPERATION					11,862,316	715,550	14,307,196
UNDER CONSTRUCTION (Green)							
1971 B	Idaho Power Co.	Oxbow	Snake	Idaho	-	190,000	237,500
1988 A	Pacific Gas and Elec. Co.	Kings River	N.Fk. Kings	Calif.	-	44,100	44,100
2016 A	Tacoma, City of	Mayfield	Cowlitz	Wash.	-	160,000	160,000
2085	Southern Calif. Edison Co.	Mammoth Pool	San Joaquin	Calif.	-	126,000	126,000
2100	Calif. Dept. of Wtr. Res.	Oroville	Feather	Calif.	-	440,000	440,000
2101 B	Sacramento MUD	Jaybird	American	Calif.	-	129,200	129,200
2102 A	Warrior R. Elec. Coop. Assn.	Smiths Ford	Locust Fork	Ala.	-	57,600	115,200
2114 B	Grant Co. PUD No. 2	Wanapum	Columbia	Wash.	-	831,250	1,330,000
2145	Chelan Co. PUD No. 1	Rocky Reach	Columbia	Wash.	-	711,550	1,118,150
2146 E	Alabama Power Co.	Weiss	Coosa	Ala.	-	87,750	87,750
2165 B	Alabama Power Co.	Lewis Smith	Black Warrior	Ala.	-	157,500	157,500
2183	Grand River Dam Auth.	Markham Ferry	Grand	Okla.	-	45,000	75,000
2197 C	Yadkin Inc.	Tuckertown	Yadkin	N.C.	-	40,000	40,000
2216 A	Pwr. Auth. State of N. Y.	Lewiston	Niagara	N.Y.	-	1,950,000	1,950,000
2216 B	Pwr. Auth. State of N. Y.	Tuscarora	Niagara	N.Y.	-	240,000	240,000
2232 I	Duke Power Co.	Cowans Ford	Catawba	N.C.	-	262,500	350,000
TOTALS - AT 16 PLANTS UNDER CONSTRUCTION					-	5,472,450	6,600,400
AUTHORIZED (Red) 2/							
1835	Platte R. Pub. Pwr. & ID	Southerland	Platte	Nebr.	-	-	4,000
1853	First Iowa Hydro Elec. Corp.	Moscow	Cedar & Mississippi	Iowa	-	-	50,000
1971 A	Idaho Power Co.	Hells Canyon	Snake	Idaho	-	-	408,000
2016 B	Tacoma, City of	Mossy Rock	Cowlitz	Wash.	-	-	300,000
2035	Denver, City of	Reservoir 22	South Boulder Cr.	Colo.	-	-	7,875
2088	Oroville & Wyandotte IDs	Kelly Ridge	Feather	Calif.	-	-	9,900
2088 A	Oroville & Wyandotte IDs	Forbestown	S.Fk. Feather	Calif.	-	-	28,800
2088 B	Oroville & Wyandotte IDs	Woodleaf	S.Fk. Feather	Calif.	-	-	52,200
2101 A	Sacramento MUD	Camino	American	Calif.	-	-	57,000
2101 C	Sacramento MUD	Union Valley	American	Calif.	-	-	18,000
2102 B	Warrior R. Elec. Coop. Assn.	Upper	Locust Fork	Ala.	-	-	20,000
2105 A	Pacific Gas and Elec. Co.	Beldon	N.Fk. Feather	Calif.	-	-	117,000
2146 A	Alabama Power Co.	Wetumpka	Coosa	Ala.	-	-	44,000
2146 C	Alabama Power Co.	Kelly Creek	Coosa	Ala.	-	-	125,100
2146 D	Alabama Power Co.	Lock No. 3	Coosa	Ala.	-	-	72,600

TABLE 13 (Contd) - HYDROELECTRIC PLANTS UNDER FPC LICENSE

PRO- JECT NO.	LICENSEE	PLANT	RIVER	STATE	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
		AUTHORIZED (Red) Continued					
2165 A	Alabama Power Co.	John H. Bankhead	Black Warrior	Ala.	-	-	45,540
2177 A	Georgia Power Co.	North Highlands	Chattahoochee	Ga.	-	-	30,000
2242	Eugene, City of	Trail Bridge	McKenzie	Oreg.	-	-	6,000
2242	Eugene, City of	Carmen	McKenzie	Oreg.	-	-	47,500
TOTAL - AT 19 PLANTS AUTHORIZED FOR CONSTRUCTION					-	-	1,442,615
		SUMMARY					
IN OPERATION		307 plants (170 on map)			11,862,316	715,550	14,307,196
UNDER CONSTRUCTION		16 plants (16 on map)			-	5,472,450	6,600,400
AUTHORIZED		19 plants (15 on map)			-	-	1,442,615
TOTALS		342 plants (201 on map)			11,862,316	6,188,000	22,350,211

1/ Includes all licensed plants over 100 kw excluding 13 in Alaska. Constructed capacity obtained from annual power system statements (Form 12 reports). Capacities for undeveloped plants taken from licensed projects instruments or applications filed. Capacities include auxiliary units.

Plants with ultimate installations of 10,000 kw and over are identified on Map 1 by project. Where more than one plant comprises a project the plants are designated by letters (A, B, C, etc.) proceeding upstream. These larger plants, totaling 201, account for about 98 percent of the total licensed capacity.

In addition to this list there are about 55 licensed plants of under 100 kw each, totaling about 2,300 kw.

2/ Authorized by FPC license to be constructed but not started as of January 1, 1960.

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MAP 1



TABLE 13 (Contd) - HYDROELECTRIC PLANTS UNDER FPC LICENSE

PRO- JECT NO.	LICENSEE	PLANT	RIVER	STATE	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
		AUTHORIZED (Red) Continued					
2165 A	Alabama Power Co.	John H. Bankhead	Black Warrior	Ala.	-	-	45,540
2177 A	Georgia Power Co.	North Highlands	Chattahoochee	Ga.	-	-	30,000
2242	Eugene, City of	Trail Bridge	McKenzie	Oreg.	-	-	6,000
2242	Eugene, City of	Carmen	McKenzie	Oreg.	-	-	47,500
TOTAL - AT 19 PLANTS AUTHORIZED FOR CONSTRUCTION					-	-	1,442,615
SUMMARY							
IN OPERATION		307 plants (170 on map)			11,862,316	715,550	14,307,196
UNDER CONSTRUCTION		16 plants (16 on map)			-	5,472,450	6,600,400
AUTHORIZED		19 plants (15 on map)			-	-	1,442,615
TOTALS		342 plants (201 on map)			11,862,316	6,188,000	22,350,211

1/ Includes all licensed plants over 100 kw excluding 13 in Alaska. Constructed capacity obtained from annual power system statements (Form 12 reports). Capacities for undeveloped plants taken from licensed projects instruments or applications filed. Capacities include auxiliary units.

Plants with ultimate installations of 10,000 kw and over are identified on Map I by project. Where more than one plant comprises a project the plants are designated by letters (A, B, C, etc.) proceeding upstream. These larger plants, totaling 201, account for about 98 percent of the total licensed capacity.

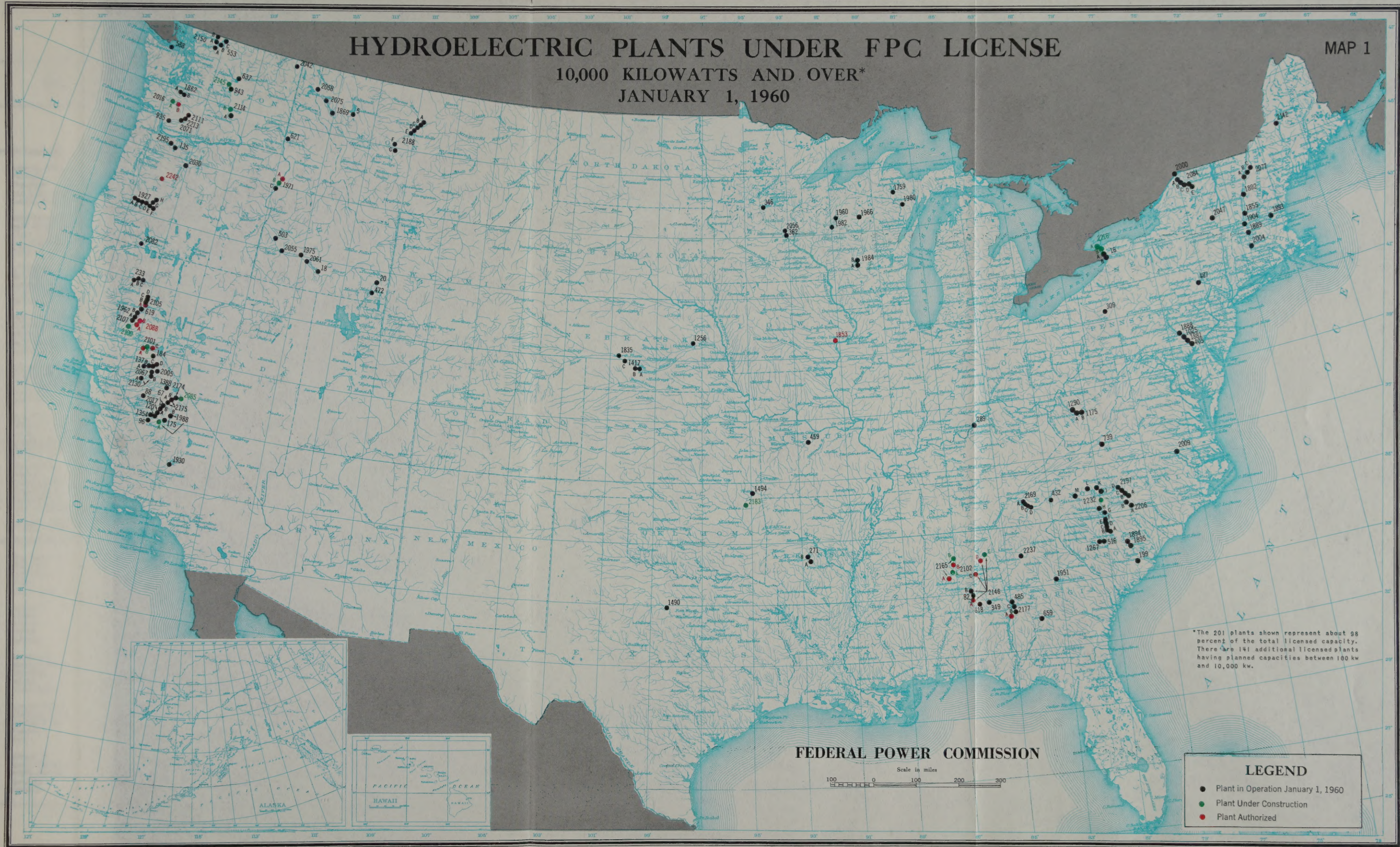
In addition to this list there are about 55 licensed plants of under 100 kw each, totaling about 2,300 kw.

2/ Authorized by FPC license to be constructed but not started as of January 1, 1960.

HYDROELECTRIC PLANTS UNDER FPC LICENSE

10,000 KILOWATTS AND OVER*
JANUARY 1, 1960

MAP 1





DESIGN CAPACITY -		LOWWATER
DESIGN	DESIGN	ULTIMATE
CONSTRUCTION		
		45,500
		30,000
		8,000
		47,500
		1,902,813
	715,000	14,307,196
	5,472,450	5,800,400
		1,902,813
	5,100,000	12,950,511

FEDERAL POWER COM

TABLE 14. - FEDERAL HYDROELECTRIC PLANTS IN OPERATION,
UNDER CONSTRUCTION, AND AUTHORIZED - JANUARY 1, 1960

LO- CA- TION NO.	PLANT	RIVER	STATE	YEAR OF INITIAL OPERA- TION	INSTALLED CAPACITY - KILOWATTS <u>1/</u>		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
IN OPERATION (Black)							
CORPS OF ENGINEERS							
3	John H. Kerr	Roanoke	Va.	1952	206,000	-	206,000
4	Philpott	Smith	Va.	1953	14,000	-	14,000
6	Cheatham	Cumberland	Tenn.	1958	24,000	12,000	36,000
9	Old Hickory	Cumberland	Tenn.	1957	100,000	-	100,000
10	Center Hill	Caney Fork	Tenn.	1950	135,800	-	135,800
13	Dale Hollow	Obey	Tenn.	1948	54,600	-	54,600
15	Wolf Creek	Cumberland	Ky.	1951	271,200	-	271,200
47	Clark Hill	Savannah	S.C.-Ga.	1953	282,000	-	282,000
49	Jim Woodruff	Apalachicola	Fla.	1957	30,000	-	30,000
51	Buford	Chattahoochee	Ga.	1957	86,000	-	86,000
54	Allatoona	Etowah	Ga.	1950	74,000	-	110,000
59	Whitney	Brazos	Tex.	1953	30,000	-	30,000
61	Narrows	Little Missouri	Ark.	1950	17,000	-	25,500
62	Blakely Mountain	Ouachita	Ark.	1955	75,000	-	75,000
64	Denison	Red	Okla.-Tex.	1945	71,200	-	176,200
69	Tenkiller Ferry	Illinois	Okla.	1953	34,000	-	34,000
71	Fort Gibson	Grand	Okla.	1953	45,000	-	67,500
75	Norfork	North Fork	Ark.	1944	70,400	-	140,400
76	Bull Shoals	White	Ark.	1952	162,000	90,000	342,000
77	Table Rock	White	Mo.	1959	101,500	100,000	201,500
94	St. Marys Falls	St. Marys	Mich.	1951	18,400	-	18,400
95	Gavins Point	Missouri	S.Dak.-Neb.	1956	100,000	-	100,000
96	Fort Randall	Missouri	S.Dak.	1954	320,000	-	320,000
100	Garrison	Missouri	N.Dak.	1956	240,000	160,000	400,000
115	Fort Peck	Missouri	Mont.	1943	85,000	80,000	165,000
143	Big Cliff	North Santiam	Oreg.	1954	18,000	-	18,000
144	Detroit	North Santiam	Oreg.	1953	100,000	-	100,000
148	Dexter	M.Fk. Willamette	Oreg.	1955	15,000	-	15,000
149	Lookout Point	M.Fk. Willamette	Oreg.	1954	120,000	-	120,000
151	Bonneville	Columbia	Oreg.-Wash.	1938	522,400	-	522,400
152	The Dalles	Columbia	Oreg.-Wash.	1957	813,000	312,000	1,749,000
154	McNary	Columbia	Oreg.-Wash.	1953	986,000	-	1,406,000
167	Chief Joseph	Columbia	Wash.	1955	1,028,800	-	1,732,800
169	Albeni Falls	Pend Oreille	Idaho	1955	42,600	-	42,600
189	Dalecarlia <u>2/</u>	Potomac	D.C.	1927	3,000	-	3,000
190	Rock Island <u>3/</u>	Mississippi	Ill.	1919	2,752	-	2,752
TOTALS - CORPS OF ENGINEERS					6,298,652	754,000	9,132,652
BUREAU OF RECLAMATION							
81	Big Thompson	Thompson	Colo.	1959	4,500	-	4,500
82	Flatiron	Big Thompson Divr.	Colo.	1954	71,500	-	71,500
83	Pole Hill	Big Thompson Divr.	Colo.	1954	33,250	-	33,250
84	Estes	Big Thompson Divr.	Colo.	1950	45,000	-	45,000
85	Marys Lake	Big Thompson Divr.	Colo.	1951	8,100	-	8,100
87	Guernsey	North Platte	Wyo.	1927	4,800	-	4,800
88	Glendo	North Platte	Wyo.	1959	24,000	-	24,000
89	Alcova	North Platte	Wyo.	1955	36,000	-	36,000
91	Kortes	North Platte	Wyo.	1950	36,000	-	36,000
92	Seminole	North Platte	Wyo.	1939	32,400	-	32,400
99	Angostura	S.Fk. Cheyenne	S.Dak.	1951	1,200	-	1,200
104	Heart Mountain	Shoshone	Wyo.	1948	5,000	-	5,000
105	Shoshone	Shoshone	Wyo.	1922	5,600	-	5,600
106	Boysen	Big Horn	Wyo.	1952	15,000	-	15,000
107	Pilot Butte	Wind	Wyo.	1925	1,600	-	1,600
118	Canyon Ferry	Missouri	Mont.	1953	50,000	-	50,000
120	Elephant Butte	Rio Grande	N.Mex.	1940	24,300	-	24,300
122	Siphon Drop	Yuma Canal	Calif.	1926	1,600	-	1,600
123	Parker	Colorado	Ariz.-Calif.	1942	120,000	-	120,000
124	Davis	Colorado	Ariz.-Nev.	1951	225,000	-	225,000
125	Hoover <u>4/</u>	Colorado	Ariz.-Nev.	1936	1,249,800	95,000	1,344,800
132	Grand Valley <u>5/</u>	Colorado	Colo.	1932	3,000	-	3,000
135	Green Mountain	Blue	Colo.	1943	21,600	-	21,600
136	Gateway	Weber	Utah	1958	4,275	-	4,275
137	Wanship	Weber	Utah	1958	1,425	-	1,425

TABLE 14 (Contd) - FEDERAL HYDROELECTRIC PLANTS

LO- CA- TION NO.	PLANT	RIVER	STATE	YEAR OF INITIAL OPERA- TION	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
IN OPERATION (Black) Continued							
138	Deer Creek	Provo	Utah	1958	4,950	-	4,950
159	Black Canyon	Payette	Idaho	1925	8,000	-	8,000
160	Boise Diversion	Boise	Idaho	1912	1,500	-	1,500
161	Anderson Ranch	S.Fk. Boise	Boise	1950	27,000	-	40,500
162	Minidoka	Snake	Idaho	1909	13,400	-	13,400
164	Palisades	Snake	Idaho	1957	114,000	-	114,000
165	Chandler	Yakima	Wash.	1956	12,000	-	12,000
166	Roza	Yakima-Roza Canal	Wash.	1958	11,250	-	11,250
168	Grand Coulee	Columbia	Wash.	1941	1,974,000	-	1,974,000
172	Hungry Horse	S.Fk. Flathead	Mont.	1952	285,000	-	285,000
178	Nimbus	American	Calif.	1955	13,500	-	13,500
179	Folsom 6/	American	Calif.	1955	162,000	-	162,000
181	Keswick	Sacramento	Calif.	1949	75,000	-	75,000
182	Shasta	Sacramento	Calif.	1944	379,000	-	379,000
191	Cove No. 3 7/	Crooked	Oregon	1946	1,500	-	1,500
TOTALS - BUREAU OF RECLAMATION					5,107,050	95,000	5,215,550
TENNESSEE VALLEY AUTHORITY							
11	Great Falls 8/	Caney Fork	Tenn.	1916	31,860	-	31,860
18	Kentucky	Tennessee	Ky.	1944	160,320	-	160,320
19	Columbia 8/	Duck	Tenn.	1925	800	-	800
20	Pickwick Landing	Tennessee	Tenn.	1938	216,320	-	216,320
21	Wilson	Tennessee	Ala.	1925	436,750	162,000	598,750
22	Wheeler 8/	Tennessee	Ala.	1936	259,360	97,200	356,560
23	Guntersville	Tennessee	Ala.	1939	97,440	-	97,440
24	Hales Bar 8/	Tennessee	Tenn.	1913	99,700	-	99,700
25	Chickamauga	Tennessee	Tenn.	1940	108,240	-	108,240
26	Ocoee #1 8/	Ocoee	Tenn.	1912	18,000	-	18,000
27	Ocoee #2 8/	Ocoee	Tenn.	1913	21,000	-	21,000
28	Ocoee #3	Ocoee	Tenn.	1943	27,028	-	27,028
29	Blue Ridge 8/	Toccoa	Ga.	1931	20,000	-	20,000
30	Apalachia	Hiwassee	Tenn.	1943	75,000	-	75,000
31	Hiwassee	Hiwassee	N.C.	1940	117,100	-	117,100
32	Nottely	Nottely	Ga.	1956	15,000	-	15,000
33	Chatuge	Hiwassee	N.C.	1954	10,000	-	10,000
34	Watts Bar	Tennessee	Tenn.	1942	150,240	-	150,240
35	Norris	Clinch	Tenn.	1936	100,800	-	100,800
37	Fontana	L. Tennessee	N.C.	1945	202,600	-	202,600
38	Fort Loudon	Tennessee	Tenn.	1943	128,240	-	128,240
39	Douglas	French Broad	Tenn.	1943	112,160	-	112,160
40	Nolichucky 8/	Nolichucky	Tenn.	1913	10,640	-	10,640
41	Cherokee	Holston	Tenn.	1942	120,160	-	120,160
42	Wilbur 8/	Watauga	Tenn.	1912	10,700	-	10,700
43	Watauga	Watauga	Tenn.	1949	50,000	-	50,000
44	Ft. Patrick Henry	S.Fk. Holston	Tenn.	1953	36,000	-	36,000
45	Boone	S.Fk. Holston	Tenn.	1953	75,000	-	75,000
46	South Holston	S.Fk. Holston	Tenn.	1951	35,000	-	35,000
TOTALS - TENNESSEE VALLEY AUTHORITY					2,745,458	259,200	3,004,658
BUREAU OF INDIAN AFFAIRS							
121	Coolidge	Gila	Ariz.	1929	10,000	-	10,000
179	Big Creek (Flathead)	Big Creek	Mont.	1916	360	-	360
192	Drop No. 2 2/	Wapato Canal	Wash.	1942	2,500	-	2,500
193	Drop No. 3 2/	Wapato Canal	Wash.	1932	1,700	-	1,700
TOTALS - BUREAU OF INDIAN AFFAIRS					14,560	-	14,560
NATIONAL PARK SERVICE							
113	Mammoth	Gardiner	Wyo.	1935	600	-	600
183	Yosemite	Merced	Calif.	1918	2,000	-	2,000
194	Longmire 9/	Paradise	Wash.	1923	800	-	800
TOTALS - NATIONAL PARK SERVICE					3,400	-	3,400
INTERNATIONAL BOUNDARY AND WATER COMMISSION							
60	Falcon	Rio Grande	Tex.	1954	31,500	-	42,000
TOTALS - INTERNATIONAL BOUNDARY AND WATER COMMISSION					31,500	-	42,000
TOTALS - PLANTS IN OPERATION					14,200,620	1,108,200	17,412,820

TABLE 14 (Contd) - FEDERAL HYDROELECTRIC PLANTS

LO- CA- TION NO.	PLANT	RIVER	STATE	YEAR OF INITIAL OPERA- TION	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
CORPS OF ENGINEERS					UNDER CONSTRUCTION (Green)		
5	Barkley	Cumberland	Ky.	1964	-	130,000	130,000
48	Hartwell	Savannah	S.C.-Ga.	1962	-	264,000	330,000
50	Walter F. George	Chattahoochee	Ga.-Ala.	1962	-	130,000	130,000
56	McGee Bend	Angelina	Tex.	1965	-	52,000	52,000
65	Dardanelle	Arkansas	Ark.	1964	-	124,000	124,000
68	Eufaula	Canadian	Okla.	1964	-	90,000	90,000
74	Greers Ferry	Little Red	Ark.	1963	-	96,000	96,000
78	Beaver	White	Ark.	1965	-	112,000	112,000
97	Big Bend	Missouri	S.Dak.	1964	-	468,000	468,000
98	Oahe	Missouri	S.Dak.	1962	-	595,000	595,000
147	Cougar	S.Fk. McKenzie	Oreg.	1962	-	25,000	60,000
150	Hills Creek	M.Fk. Willamette	Oreg.	1962	-	30,000	30,000
153	John Day	Columbia	Oreg.-Wash.	1967	-	1,080,000	2,700,000
155	Ice Harbor	Snake	Wash.	1961	-	270,000	540,000
TOTALS - CORPS OF ENGINEERS					-	3,466,000	5,457,000
BUREAU OF RECLAMATION							
90	Fremont Canyon	North Platte	Wyo.	1960	-	48,000	48,000
126	Glen Canyon	Colorado	Ariz.	1963	-	900,000	900,000
127	Flaming Gorge	Green	Utah	1963	-	108,000	108,000
133	Lower Molina	Collbran Pipeline	Colo.	1961	-	4,860	4,860
134	Upper Molina	Collbran Pipeline	Colo.	1961	-	8,640	8,640
173	Green Springs	Emigrant Creek	Oreg.	1960	-	16,000	16,000
TOTALS - BUREAU OF RECLAMATION					-	1,085,500	1,085,500
TOTALS - PLANTS UNDER CONSTRUCTION					-	4,551,500	6,542,500
CORPS OF ENGINEERS					AUTHORIZED (Red) 10/		
1	Salem Church	Rappahannock	Va.	-	-	-	64,000 11/
2	Gathright and Falling Springs	Jackson	Va.	-	-	-	34,000
7	Three Islands	Harpeth	Tenn.	-	-	-	18,000
8	J. Percy Priest	Stones	Tenn.	-	-	-	13,500
12	Cordell Hull	Cumberland	Tenn.	-	-	-	92,000
14	Celina	Cumberland	Ky.	-	-	-	69,000
16	Jessamine Creek	Kentucky	Ky.	-	-	-	13,900
17	Booneville	S.Fk. Kentucky	Ky.	-	-	-	7,300
52	Millers Ferry	Alabama	Ala.	-	-	-	76,000
53	Jones Bluff	Alabama	Ala.	-	-	-	68,000
55	Dam "B"	Neches	Tex.	-	-	-	2,935
57	Rockland	Neches	Tex.	-	-	-	13,500
58	Belton	Leon	Tex.	-	-	-	18,900
63	De Gray	Caddo	Ark.	-	-	-	40,000
66	Ozark	Arkansas	Ark.	-	-	-	24,000
67	Short Mountain	Arkansas	Okla.	-	-	-	110,000
70	Webbers Falls	Arkansas	Okla.	-	-	-	28,000
72	Oologah	Verdigris	Okla.	-	-	-	12,000
73	Keystone	Arkansas	Okla.	-	-	-	60,000
79	Pomme de Terre	Pomme de Terre	Mo.	-	-	-	16,800
80	Stockton	Sac	Mo.	-	-	-	12,700
93	Red Rock	Des Moines	Ia.	-	-	-	17,200
145	White Bridge	M. Santiam	Oreg.	-	-	-	19,000
146	Green Peter	M. Santiam	Oreg.	-	-	-	90,000
156	Lower Monumental	Snake	Wash.	-	-	-	540,000
157	Little Goose	Snake	Wash.	-	-	-	540,000
158	Lower Granite	Snake	Wash.	-	-	-	600,000 12/
170	Libby	Kootenai	Mont.	-	-	-	688,000 13/
180	Table Mountain (Iron Canyon)	Sacramento	Calif.	-	-	-	54,000 14/
TOTAL - CORPS OF ENGINEERS					-	-	3,342,735

TABLE 14 (Contd) - FEDERAL HYDROELECTRIC PLANTS

LO- CA- TION NO.	PLANT	RIVER	STATE	YEAR OF INITIAL OPERA- TION	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
		AUTHORIZED (Red) Continued					
BUREAU OF RECLAMATION							
102	Sheridan	Tongue	Wyo.	-	-	-	25,000
103	Yellowtail	Big Horn	Mont.	-	-	-	200,000
108	Sunlight	Sunlight Creek	Wyo.	-	-	-	14,900
109	Bald Ridge	Clarks Fork	Wyo.	-	-	-	23,000
110	Thief Creek	Clarks Fork	Wyo.	-	-	-	125,200
111	Hunter Mtn.	Clarks Fork	Wyo.	-	-	-	14,400
112	Absaroka	Yellowstone	Mont.	-	-	-	50,000
114	Little Porcupine	Missouri Divr.	Mont.	-	-	-	18,000
116	Kenil	Marias	Mont.	-	-	-	1,600
117	Tiber	Marias	Mont.	-	-	-	2,000
119	Lyon	Madison	Mont.	-	-	-	24,000
128	Crystal	Gunnison	Colo.	-	-	-	30,000
129	Morrow Point	Gunnison	Colo.	-	-	-	40,000
131	Blue Mesa	Gunnison	Colo.	-	-	-	60,000
139	Castilla	Diamond Creek	Utah	-	-	-	6,000
140	Tanner	Diamond Creek	Utah	-	-	-	6,000
141	Hammock	Fifth Water	Utah	-	-	-	40,000
142	Old West	Sixth Water	Utah	-	-	-	9,000
163	American Falls	Snake	Idaho	-	-	-	30,000
174	Lewiston	Trinity	Calif.	-	-	-	300
175	Trinity	Trinity	Calif.	-	-	-	100,000
176	Clear Creek	Trinity Divr.	Calif.	-	-	-	134,000
177	Spring Creek	Trinity Divr.	Calif.	-	-	-	150,000
184	Calvada	Little Truckee	Calif.-Nev.	-	-	-	26,500
185	Watasheamu	E.Fk. Carson	Calif.-Nev.	-	-	-	8,000
	TOTAL - BUREAU OF RECLAMATION				-	-	1,137,900
TENNESSEE VALLEY AUTHORITY							
36	Melton Hill	Clinch	Tenn.	-	-	-	72,000
	TOTAL - TENNESSEE VALLEY AUTHORITY				-	-	72,000
	TOTAL - PLANTS AUTHORIZED				-	-	4,552,635
	SUMMARY						
	IN OPERATION				14,200,600	1,108,200	17,412,820
	UNDER CONSTRUCTION				-	4,551,500	6,542,500
	AUTHORIZED				-	-	4,552,635
	GRAND TOTALS				14,200,600	5,659,700	28,507,955

1/ Includes both main and auxiliary generating capacity.

2/ Power used exclusively for pumping municipal water supply at Dalecarlia; and irrigation water at Drop #2 and #3.

3/ Power used by the U. S. Arsenal.

4/ Power plant units operated by Southern California Edison Company and City of Los Angeles Department of Water and Power as agents of the United States.

5/ Leased to Public Service Company of Colorado for operation.

6/ Dam and reservoir constructed by Corps of Engineers.

7/ USBR owns Unit No. 3 installed at Pacific Power and Light Company plant, licensed project No. 1447.

8/ Acquired but not built by TVA.

9/ Leased to Ranier National Park Company for operation.

10/ Projects authorized to include power, but construction not started as of January 1, 1960.

11/ 86,000 kw plan also being considered.

12/ 450,000 kw plan also being considered.

13/ 516,000 kw plan also being considered.

14/ High dam having 200,000 kw also potential for this site.

MAP 2



TABLE 14 (Contd) - FEDERAL HYDROELECTRIC PLANTS

LO- CA- TION NO.	PLANT	RIVER	STATE	YEAR OF INITIAL OPERA- TION	INSTALLED CAPACITY - KILOWATTS		
					CONSTRUCTED	UNDER CONSTRUCTION	ULTIMATE
		AUTHORIZED (Red) Continued					
BUREAU OF RECLAMATION							
102	Sheridan	Tongue	Wyo.	-	-	-	25,000
103	Yellowtail	Big Horn	Mont.	-	-	-	200,000
108	Sunlight	Sunlight Creek	Wyo.	-	-	-	14,900
109	Bald Ridge	Clarks Fork	Wyo.	-	-	-	23,000
110	Thief Creek	Clarks Fork	Wyo.	-	-	-	125,200
111	Hunter Mtn.	Clarks Fork	Wyo.	-	-	-	14,400
112	Absaroka	Yellowstone	Mont.	-	-	-	50,000
114	Little Porcupine	Missouri Divr.	Mont.	-	-	-	18,000
116	Kenil	Marias	Mont.	-	-	-	1,600
117	Tiber	Marias	Mont.	-	-	-	2,000
119	Lyon	Madison	Mont.	-	-	-	24,000
128	Crystal	Gunnison	Colo.	-	-	-	30,000
129	Morrow Point	Gunnison	Colo.	-	-	-	40,000
131	Blue Mesa	Gunnison	Colo.	-	-	-	60,000
139	Castilla	Diamond Creek	Utah	-	-	-	6,000
140	Tanner	Diamond Creek	Utah	-	-	-	6,000
141	Hammock	Fifth Water	Utah	-	-	-	40,000
142	Old West	Sixth Water	Utah	-	-	-	9,000
163	American Falls	Snake	Idaho	-	-	-	30,000
174	Lewiston	Trinity	Calif.	-	-	-	300
175	Trinity	Trinity	Calif.	-	-	-	100,000
176	Clear Creek	Trinity Divr.	Calif.	-	-	-	134,000
177	Spring Creek	Trinity Divr.	Calif.	-	-	-	150,000
184	Calvada	Little Truckee	Calif.-Nev.	-	-	-	26,500
185	Watasheamu	E.Fk. Carson	Calif.-Nev.	-	-	-	8,000
	TOTAL - BUREAU OF RECLAMATION				-	-	1,137,900
TENNESSEE VALLEY AUTHORITY							
36	Melton Hill	Clinch	Tenn.	-	-	-	72,000
	TOTAL - TENNESSEE VALLEY AUTHORITY				-	-	72,000
	TOTAL - PLANTS AUTHORIZED				-	-	4,552,635
	SUMMARY						
	IN OPERATION				14,200,600	1,108,200	17,412,820
	UNDER CONSTRUCTION				-	4,551,500	6,542,500
	AUTHORIZED				-	-	4,552,635
	GRAND TOTALS				14,200,600	5,659,700	28,507,955

1/ Includes both main and auxiliary generating capacity.

2/ Power used exclusively for pumping municipal water supply at Dalecarlia; and irrigation water at Drop #2 and #3.

3/ Power used by the U. S. Arsenal.

4/ Power plant units operated by Southern California Edison Company and City of Los Angeles Department of Water and Power as agents of the United States.

5/ Leased to Public Service Company of Colorado for operation.

6/ Dam and reservoir constructed by Corps of Engineers.

7/ USBR owns Unit No. 3 installed at Pacific Power and Light Company plant, licensed project No. 1447.

8/ Acquired but not built by TVA.

9/ Leased to Ranier National Park Company for operation.

10/ Projects authorized to include power, but construction not started as of January 1, 1960.

11/ 86,000 kw plan also being considered.

12/ 450,000 kw plan also being considered.

13/ 516,000 kw plan also being considered.

14/ High dam having 200,000 kw also potential for this site.

FEDERAL HYDROELECTRIC PLANTS IN OPERATION, UNDER CONSTRUCTION, AUTHORIZED JANUARY 1, 1960

MAP 2

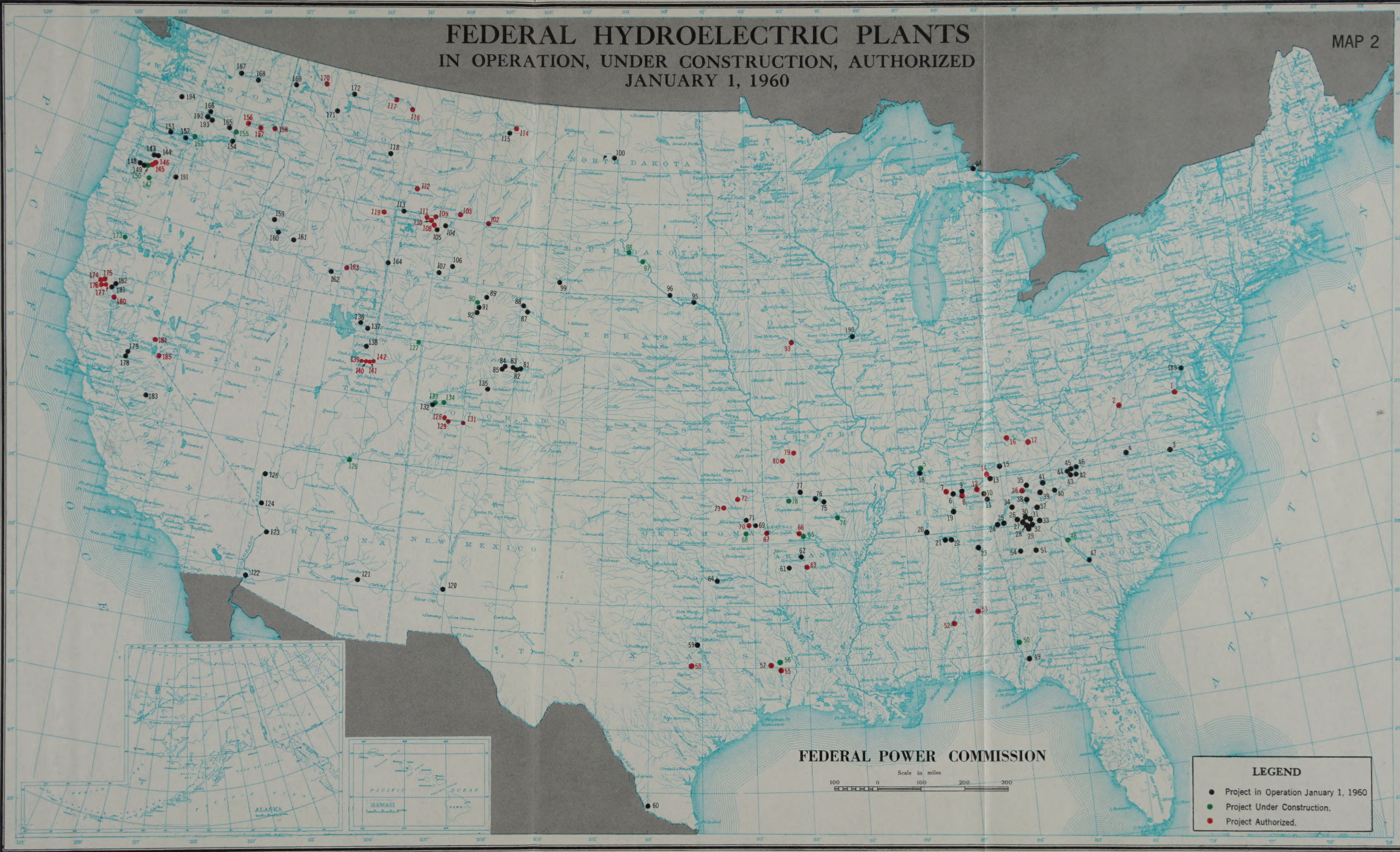


TABLE 15. - HYDROELECTRIC PLANTS EXISTING OR UNDER CONSTRUCTION WITH
PLANNED ULTIMATE CAPACITIES OF 100,000 KILOWATTS OR MORE - JANUARY 1, 1960

Class L/	Name of plant	River	State	Installed capacity - Kw			Avg. annual generation ultimate million Kwh
				Existing	Initial	Planned ultimate	
F	Grand Coulee	Columbia	Wash.	1,974,000	1,974,000	3,270,000	14,800
F	John Day	Columbia	Wash.	-	1,080,000	2,700,000	11,575
P	Niagara Falls	Niagara	N.Y.	-	2,190,000	2,190,000	13,000
F	The Dalles	Columbia	Wash.	813,000	1,125,000	1,749,000	8,760
F	Chief Joseph	Columbia	Wash.	1,028,800	1,028,800	1,732,800	9,750
F	McNary	Columbia	Oreg.	986,000	986,000	1,406,000	7,212
F	Hoover	Colorado	Ariz.-Nev.	1,249,800	1,344,800	1,344,800	5,350
P	Wanapum	Columbia	Wash.	-	831,250	1,330,000	4,860
M	Priest Rapids	Columbia	Wash.	236,550	788,500	1,261,600	4,993
M	Oroville	Feather	Calif.	-	600,000	1,200,000	1,787
M	Rocky Reach	Columbia	Wash.	-	711,550	1,118,150	5,200
M	Robert Moses	St. Lawrence	N.Y.	912,000	912,000	912,000	6,500
F	Glen Canyon	Colorado	Ariz.	-	900,000	900,000	4,600
F	Wilson	Tennessee	Ala.	436,750	598,750	598,750	2,552
F	Oahe	Missouri	S. Dak.	-	595,000	595,000	3,135
P	Brownlee	Snake	Idaho-Oreg.	360,400	360,400	540,600	2,450
F	Ice Harbor	Snake	Wash.	-	270,000	540,000	2,409
F	Bonneville	Columbia	Oreg.	522,400	522,400	522,400	4,200
F	Big Bend	Missouri	S. Dak.	-	468,000	468,000	1,022
P	Noxon Rapids	Clark Fork	Mont.	252,000	336,000	420,000	1,600
F	Garrison	Missouri	N. Dak.	240,000	400,000	400,000	1,696
P	Conowingo	Susquehanna	Md.	254,240	254,240	398,240	1,684
P	Safe Harbor	Susquehanna	Pa.	230,000	230,000	388,000	920
F	Shasta	Sacramento	Calif.	379,000	379,000	379,000	1,720
M	Ross	Skagit	Wash.	360,000	360,000	360,000	912
F	Wheeler	Tennessee	Ala.	259,360	356,560	356,560	1,230
F	Bull Shoals	White	Ark.	162,000	162,000	342,000	735
F	Hartwell	Savannah	Ga.	-	264,000	330,000	453
F	Fort Randall	Missouri	S. Dak.	320,000	320,000	320,000	1,457
F	Hungry Horse	S. Fk. Flathead	Mont.	285,000	285,000	285,000	827
F	Clark Hill	Savannah	S.C.	282,000	282,000	282,000	700
F	Wolf Creek	Cumberland	Ky.	271,200	271,200	271,200	870
M	Rock Island	Columbia	Wash.	213,325	213,325	254,725	1,963
M	Diablo	Skagit	Wash.	122,400	122,400	242,400	980
P	Oxbow	Snake	Idaho	-	190,000	237,500	1,034
F	Davis	Colorado	Ariz.	225,000	225,000	225,000	1,510
P	Jordan Dam	Coosa	Ala.	100,000	100,000	225,000	560
F	Pickwick Landing	Tennessee	Tenn.	216,320	216,320	216,320	1,330
P	Yale	Lewis	Wash.	108,000	108,000	216,000	530
F	John Kerr	Roanoke	Va.	206,000	206,000	206,000	440
P	Swift No. 1	Lewis	Wash.	204,000	204,000	204,000	709
F	Fontana	Little Tennessee	N.C.	202,600	202,600	202,600	910
F	Table Rock	White	Mo.	101,500	201,500	201,500	493
P	Ohio Falls	Ohio	Ky.	80,320	80,320	200,320	1,094
P	Cabinet Gorge	Clark Fork	Idaho	200,000	200,000	200,000	1,100
P	Saluda	Saluda	S.C.	130,000	130,000	195,000	220
P	Merwin	Lewis	Wash.	136,000	136,000	181,000	540
P	Lay	Coosa	Ala.	81,000	81,000	177,000	585
P	Osage	Osage	Mo.	176,200	176,200	176,200	440
F	Denison	Red	Texas	71,200	71,200	176,200	354
P	Kerr	Flathead	Mont.	168,000	168,000	168,000	1,060
F	Fort Peck	Missouri	Mont.	85,000	165,000	165,000	879
M	Pinopolis	Santee-Cooper	S.C.	132,615	132,615	163,215	640
F	Folsom	American	Calif.	162,000	162,000	162,000	658
F	Kentucky	Tennessee	Ky.	160,320	160,320	160,320	1,160

TABLE 15 (Contd) - HYDROELECTRIC PLANTS EXISTING OR UNDER CONSTRUCTION WITH
PLANNED ULTIMATE CAPACITIES OF 100,000 KILOWATTS OR MORE - JANUARY 1, 1960

Class I/	Name of plant	River	State	Installed capacity - Kw			Avg. annual generation ultimate million Kwh
				Existing	Initial	Planned ultimate	
M	Mayfield	Cowlitz	Wash.	-	162,000	162,000	545
P	Keoukuk	Mississippi	Iowa	124,800	124,800	155,200	770
P	Martin Dam	Tallapoosa	Ala.	154,200	154,200	154,200	340
F	Watts Bar	Tennessee	Tenn.	150,240	150,240	150,240	790
F	Norfolk	North Fork	Ark.	70,400	70,400	140,400	220
P	Comerford	Connecticut	N.H.	140,400	140,400	140,400	310
P	S. C. Moore	Connecticut	N.H.	140,400	140,400	140,400	240
P	Dig Creek No. 3	San Joaquin	Calif.	107,100	138,600	138,600	744
P	Mitchell	Coosa	Ala.	72,500	72,500	137,500	522
F	Center Hill	Caney Fork	Tenn.	135,800	135,800	135,800	350
P	Haas	N. Fk. Kings	Calif.	135,000	135,000	135,000	486
M	Gorge	Skagit	Wash.	134,400	134,400	134,400	887
F	Barkley	Cumberland	Ky.	-	130,000	130,000	551
F	Walter F. George	Chattahoochee	Ga.-Ala.	-	130,000	130,000	436
P	Jaybird	Silver Creek	Calif.	-	64,600	129,200	459
F	Fort Loudon	Tennessee	Tenn.	128,240	128,240	128,240	530
P	Balch	N. Fk. Kings	Calif.	128,200	128,200	128,200	407
P	Pit No. 5	Pit	Calif.	128,000	128,000	128,000	830
P	Holtwood	Susquehanna	Pa.	109,800	109,800	126,800	600
P	Mammoth	San Joaquin	Calif.	-	125,000	125,000	500
P	Poe	N. Fk. Feather	Calif.	124,200	124,200	124,200	484
P	White River	White	Wash.	70,000	70,000	123,000	314
P	Calderwood	Little Tennessee	Tenn.	121,500	121,500	121,500	600
F	Cherokee	Holston	Tenn.	120,160	120,160	120,160	330
F	Lookout Point	M. Fk. Willamette	Oreg.	120,000	120,000	120,000	310
F	Parker	Colorado	Calif.	120,000	120,000	120,000	790
F	Dardanelle	Arkansas	Ark.	-	120,000	120,000	636
F	Hiwassee	Hiwassee	N.C.	117,100	117,100	117,100	265
P	Colton	Raquette	N.Y.	29,520	29,520	116,920	287
P	Drum	Bear	Calif.	48,000	48,000	116,000	569
F	Palisades	Snake	Idaho	114,000	114,000	114,000	557
P	Rock Creek	N. Fk. Feather	Calif.	113,400	113,400	113,400	454
F	Douglas	French Broad	Tenn.	112,160	112,160	112,160	360
P	Cheoah	Little Tennessee	N.C.	110,000	110,000	110,000	500
F	Allatoona	Etowah	Ga.	74,000	74,000	110,000	150
P	Caribou No. 2	N. Fk. Feather	Calif.	109,800	109,800	109,800	386
P	Walters	Big Pigeon	N.C.	108,600	108,600	108,600	310
F	Chickamauga	Tennessee	Tenn.	108,240	108,240	108,240	760
P	Pelton	Deschutes	Oreg.	108,000	108,000	108,000	394
F	Flaming Gorge	Green	Utah	-	108,000	108,000	478
I	Alloy	New	W. Va.	102,000	102,000	102,000	570
F	Norris	Clinch	Tenn.	100,800	100,800	100,800	400
P	Roanoke Rapids	Roanoke	N.C.	100,080	100,080	100,080	340
M	Moccasin Creek	Moccasin Cr.	Calif.	70,000	70,000	100,000	537
F	Gavins Point	Missouri	Nebr.	100,000	100,000	100,000	633
F	Detroit	North Santiam	Oreg.	100,000	100,000	100,000	380
F	Old Hickory	Cumberland	Tenn.	100,000	100,000	100,000	420
P	Bliss	Snake	Idaho	75,000	75,000	100,000	414
Total - 85 Existing Plants				19,532,340	20,184,190	25,785,290	111,727
Total - 18 New Plants Under Construction				-	9,961,200	13,534,650	59,566
Grand Total - 103 Plants				19,532,340	30,145,390	39,319,940	171,293

I/ Classification of ownership: F - Federally owned plants M - Non-federal publicly owned plants
P - Privately owned plants I - Industrial plants

HYDROELECTRIC POWER RESOURCES

ALASKA AND HAWAII

**HYDROELECTRIC POWER RESOURCES
DEVELOPED AND UNDEVELOPED
OF
ALASKA AND HAWAII**

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HYDROELECTRIC POWER RESOURCES DEVELOPED AND UNDEVELOPED OF ALASKA AND HAWAII

INTRODUCTION

Estimates of the hydroelectric power potential, developed and undeveloped, for the two new states have not been included in the basic tables of this report, but have been set up in this supplement. This was due principally because only a preliminary review of the many studies and reports on potential developments had been completed, and the individual site data and arrangement are not yet comparable to those for the other 48 states.

SUMMARY

The results of a preliminary review of hydroelectric power potential in the states of Alaska and Hawaii are shown in tables S-1, S-2, and S-3. Since estimates of the average annual generation for many individual plants and sites have not been made, estimates for generation totals by states are not shown. The tables show a total potential hydroelectric capacity in the two states of 19,069,843 kilowatts. Of this capacity, 82,846 kilowatts are developed and 18,986,849 kilowatts are undeveloped. Based on these preliminary estimates of Alaska and Hawaii the hydroelectric power resources of the United States are as follows:

	Installed capacity - kw		Total potential
	Developed	Undeveloped	
Forty-eight states plus D. C.	31,912,843	95,301,000	127,213,843
Alaska	63,735	18,705,960	18,769,695
Hawaii	19,111	280,889	300,000
United States Total	31,995,689	114,287,849	146,283,538

HYDROELECTRIC POWER RESOURCES OF ALASKA

Tables S-1 lists 22 developed plants in Alaska of 100 kilowatts and over with a total installed capacity of 63,735 kilowatts. Nearly one-half of this is installed at the 30,000-kilowatt Eklutna plant, owned and operated by the Bureau of Reclamation. These developments are all located either in Southeastern Alaska or on streams draining into the Gulf of Alaska. There are several small plants under 100 kilowatts which are not listed, some of which are under Federal Power Commission license. Projects under construction are Cooper Lake (15,000 kilowatts) and Crescent Lake (10,000 kilowatts) in the Kenai River basin and the Blue Lake project (9,900 kilowatts) on Baranof Island. The completion of these licensed projects will raise the total developed capacity to

just under 100,000 kilowatts.

Table S-2 lists 225 undeveloped hydroelectric power sites in Alaska totaling 18,705,960 kilowatts. This table was reproduced from table 2 of the Alaska Power Market Survey prepared by the Bureau of Power, San Francisco Regional Office, of the Federal Power Commission and published in May 1960. Capacities for 31 of the listed projects are below the 1,500 kilowatt minimum set for the undeveloped water power inventory but their total installation, only 23,540 kilowatts, has little effect on the total potential for the state.

Alaska as a state ranks second to Washington in undeveloped potential hydroelectric power. Among the major drainages of the United States it ranks third following the North and South Pacific drainages. The river basin with the greatest amount of undeveloped potential is the Yukon where 24 sites are identified having a total potential of 11,236,500 kilowatts. This places the Yukon River high among the great power rivers of the world and ranks it third in the United States, following the Columbia and Mississippi basin in that order.

The Rampart Canyon project is considered the outstanding potential power development in all Alaska, and it is larger than any other site in the United States. An installation of 4,690,000 kilowatts is being studied together with a reservoir area of nearly 10,000 square miles. Three other developments would have over one million kilowatts: the Woodchopper Creek and Kaltag sites in the Yukon River basin and the Wood Canyon site on the Copper River.

HYDROELECTRIC POWER RESOURCES OF HAWAII

Table S-3 lists 19 developed hydroelectric plants and one undeveloped site in the State of Hawaii. The data were obtained from reports and letters submitted to the Federal Power Commission by the owners.

Only three of the islands have existing developments - Kauai, with 8346 19,111 kilowatts; Hawaii, with 5,475 kilowatts; and Maui, with 5,250 kilowatts. The largest single installation is the 4,000-kilowatt Keheka project on the Island of Maui.

The only available estimate of the total potential hydroelectric power in Hawaii was made by the Geological Survey in 1954. At that time the Survey estimated 400,000 horsepower or approximately 300,000 kilowatts. Of the 280,889 kilowatts still undeveloped only one specific site has been identified. This is the 25,000-kilowatt site on the Wainiha River on the Island of Kauai.

TABLE S-1
DEVELOPED HYDROELECTRIC PROJECTS IN ALASKA
JANUARY 1, 1960

Owner- ship class	Location	Owner	Name of plant	River	Installed capacity Kw	Avg. annual generation 1000 Kwh	Gross head Ft
	Anchorage						
F		Bureau of Reclamation	Old Eklutna	Eklutna	2,000	0	250
F		Bureau of Reclamation	Eklutna	Eklutna	30,000	157,000	848
	Seward						
I		San Juan Fishing & Packing Co.	† San Juan	San Juan Lake	100	-	300
I		Calvert Corp.	† Hanley Creek	Hanley Creek	250	-	300
	Valdez						
I		Mrs. O. B. Day	† Dayville	Allison Creek	200	-	168
I		Harvey F. Stelling	† Solomon Gulch	Solomon Creek	150	-	430
	Skagway						
P		Community Utilities, Inc.	† Skagway	Dewey Lakes	338	-	450
	Juneau						
I		Alaska Juneau Gold Mining Co.	Nugget Creek	Nugget Creek	3,000	-	490
I		Alaska Juneau Gold Mining Co.	240 Ft. Pwr. Plt.	Fish Creek Ditch	1,012	-	516
i		Alaska Juneau Gold Mining Co.	Sheep Creek	Sheep Creek	2,225	-	600
P		Alaska Elec. Lt. & Pwr. Co.	Gold Creek	Gold Creek	1,600	6,800	225
I		Alaska Juneau Gold Mining Co.	Salmon Creek No. 1	Lower Salmon Creek	2,800	1,000	400
I		Alaska Juneau Gold Mining Co.	Salmon Creek No. 2	Upper Salmon Creek	2,800	6,000	725
I		Alaska Juneau Gold Mining Co.	Annex Creek	Annex Creek	2,800	13,000	830
	Wrangell						
I		Alaska Metals & Pwr. Co.	Mill Creek	Mill Cr., E. Passage	200	-	100
	Chichagof Island						
I		Chichagof Mining Co.	Rust Lake	Simmons Creek	800	-	350
I		Pelican Utility Co.	† Pelican	Lisianski Inlet	500	-	120
	Mitkof Island						
M		Town of Petersburg	† Blind River	Crystal Lake	2,400	4,000	1,027
	Ketchikan						
M		City of Ketchikan	† Beaver Falls	Beaver Falls Creek	4,000	24,000	809
M		City of Ketchikan	† Ketchikan	Ketchikan Creek	4,200	12,000	265
	Annette Island						
M		Metlakatla Indian Community	Chester Lake	Chester Lake	360	1,600	825
M		Metlakatla Indian Community	Purple Lake	Purple Lake	2,000	-	340
	Total developed				63,735	-	

† Outstanding FPC license

Ownership class

F - Federally owned plant
P - Privately owned plant

I - Industrial plant
M - Non-federal publically owned plant
(Municipal, utility district, or state,
including cooperative)

TABLE S-2

UNDEVELOPED HYDROELECTRIC POWER SITES IN ALASKA

October 22, 1959

Taken from Table 2, Alaska Power Market Survey, May 1960, Federal Power Commission

Name of Project or Site	Location	Estimated Potential				Name of Project or Site	Location	Estimated Potential			
		Installed : kw	Prime : kw	Average : kw	Estimated : Pk.			Installed : kw	Prime : kw	Average : kw	Estimated : Pk.
Marys Lake	Kasaan Bay; Prince of Wales Island, near Polk Inlet	2,700	1,350	16,300	120	Nakvassin Lakes	Chatham Strait; Baranof Island, near Port Herbert	1,600	790	7,200	175
Glover Creek	Clarence Strait; Prince of Wales Island, at Clowry Bay	8,000	3,900	52,300	820	Lake Osprey	Chatham Strait; Baranof Island, near Port Walter	1,600	800	7,800	250
Albon Lake	Clarence Strait; Prince of Wales Island, near Kolra Sound	1,200	600	5,200	1,000	Sashin Lake	Chatham Strait; Baranof Island, near Little Port Walter	1,350	670	11,400*	440
Megan Creek	Clarence Strait; Prince of Wales Island, at Meigs Sound	4,500	2,250	26,200	110	Lucy Lake	Chatham Strait; Baranof Island, near Port Lucy	1,800	900	9,800	450
Kugak Lake	Clarence Strait; Prince of Wales Island, near Dackman Bay	5,700	2,850	30,000	560	Lake Surprise	Salisbury Sound; Krusenof Island, near Kallinin Bay	750	370	3,900	390
Melanson Lake	Nichols Passage; Annette Island, near Metlakatla	600	300	2,600	240	Lake Didrickson	Pacific Ocean; Chichagof Island, near Didrickson Bay	1,950	970	11,800	120
Trout Lake	Nichols Passage; Annette Island, near Metlakatla	750	370	4,200	75	Goulding Lakes	Pacific Ocean; Chichagof Island, near Goulding Harbor	7,600	3,800	36,600	195
Nadsaheen Lake	Near Revillagigedo Channel; Annette Island	1,250	625	6,500	190	Falls Creek	Pacific Ocean; Chichagof Island, near Davison Bay	1,200	600	5,500	--
Hassler Lake	Near Revillagigedo Channel; Annette Island	3,000	1,500	13,000	440	Porcupine Creek	Pacific Ocean; Chichagof Island, near Porcupine Harbor	7,800	3,900	34,000	705
Purple Lake	Police Strait; Annette Island, Near Tangas Harbor	3,000	1,500	13,100	320	Kook Lake	Chatham Strait; Chichagof Island, near Basket Bay	1,050	520	6,500	60
Tangas Lake	Near Police Strait, Annette Island	600	300	3,300	80	Sitkoh Lake	Near Chatham Strait; Chichagof Island	1,950	970	9,100	195
Mahoney Creek	Revillagigedo Channel; Revillagigedo Island, near George Inlet	9,700	4,850	47,700	--	Suloia Lake	Peril Strait; Chichagof Island, near Suloia Bay	2,700	1,350	12,400	205
Beaver Falls Creek	Revillagigedo Channel; Revillagigedo Island, near George Inlet	11,000	5,500	49,600	1,055	Hasselborg River	Chatham Strait; Admiralty Island, near Mitchell Bay	24,000	12,000	110,000	265
Lake Perseverance	Revillagigedo Channel; Revillagigedo Island, near Wacker	2,700	1,350	11,800	--	Crescent Lake	Chatham Strait; Admiralty Island, near Mitchell Bay	3,700	1,850	21,600	225
Naha River	Behm Canal; Revillagigedo Island, near Naha Bay	6,000	3,000	30,700	205	Thayer Lake	Near Chatham Strait; Admiralty Island	17,000	8,500	78,500	315
Orchard Lake	Behm Canal; Revillagigedo Island, near Shrimp Bay	12,000	6,000	58,900	175	Lake Florence	Near Chatham Strait; Admiralty Island	3,350	1,675	19,600	110
Claude Lake	Near Behm Canal, Revillagigedo Island	5,000	2,400	22,200	535	Lake Kathleen	Near Chatham Strait; Admiralty Island	12,000	6,000	57,000	415
						Elisa Lake	Frederick Sound; Admiralty Island, near Elisa Harbor	1,650	820	9,100	300
						Southeastern Alaska Total					
						1,030,090					

TABLE S-2

UNDEVELOPED HYDROELECTRIC POWER SITES

IN ALASKA

October 22, 1959

Taken from Table 2, Alaska Power Market
Survey, May 1960, Federal Power Commission

		Estimated Potential						Estimated Potential			
Name of Project or Site	Location	Installed : Capacity : kw 1/	Prime : Power : kw	Average : Annual : Energy : 1000 kwh	Estimated : Head : Ft.	Name of Project or Site	Location	Installed : Capacity : kw 1/	Prime : Power : kw	Average : Annual : Energy : 1000 kwh	Estimated : Head : Ft.
Southeastern Alaska 2/											
Fish Creek	Portland Canal, near Hyder, Mainland	1,500	--	8,500	--	Lake Grace 3/	Near Behm Canal, Revillagigedo Island	22,000	11,000	101,000	455
Thumb Creek	Portland Canal, near Hyder, Mainland	3,000	--	13,100	--	Mirror, Ella and Mansanita Lakes 3/	Behm Canal; Revillagigedo Island	29,600	14,500	173,500	300
Soula Glacier River	Portland Canal, near Hyder, Mainland	3,000	1,500	65,400*	--	Fish Creek	Revillagigedo Channel; Revillagigedo Island, near Thorne Arm	4,300	2,150	20,200	295
Davis River	Portland Canal, near Hyder, Mainland	42,000	21,000	229,000	--	Swan Lake 3/	Revillagigedo Channel; Revillagigedo Island, near Carroll Inlet	15,000	7,630	75,800	310
Hidden Inlet Lake	Near Pearce Canal, Mainland	3,700	1,860	22,200	--	Moheny Lake	Clarence Strait; Etolin Island, near Moheny Inlet	4,500	2,250	28,100	300
Humpback Lake	Boca de Quadra, at Mink Bay, Mainland	8,000	4,030	37,200	230	Navy Lake	Clarence Strait; Etolin Island, near Burnett Inlet	1,800	900	10,500	220
Badger Bay Lake	Boca de Quadra, near Badger Bay, Mainland	3,300	1,640	15,700	330	Burnett Lake	Clarence Strait; Etolin Island, near Burnett Inlet	1,800	900	10,500	230
Bakewell Arm	Behm Canal, near Smeaton Bay, Mainland	3,300	1,640	19,000	165	Kunk Lake (PFC Prelim. Permit No. 2189)	Near Zimovia Strait; Etolin Island	7,200	3,600	31,400	270
Wilson Lake	Behm Canal, near Wilson Arm, Mainland	12,700	6,350	98,000	240	Olive Lake	Near Zimovia Strait; Etolin Island	3,200	1,600	21,600	370
Winstanley Creek	At Behm Canal, Mainland	5,400	2,700	26,200	345	Menefee Lake	Ernest Sound; Etolin Island, near Menefee Inlet	4,200	2,100	18,300	735
Checats Upper Lake	Near Behm Canal, Mainland	3,700	1,860	16,300	340	Thomas Lake	Near Zimovia Strait; Wrangell Island	3,700	1,850	23,500	280
Funchowl Lakes	Behm Canal, at Rudyerd Bay, Mainland	18,600	9,300	81,600	1,800	Point Sullivan Lake	Chatham Strait; Kuiu Island, near Bay of Pillars	2,200	1,100	9,800	1,650
Nooya Lake	Behm Canal, at Rudyerd Bay, Mainland	2,700	1,340	13,100	270	Ledge Lake	Frederick Sound; Kuiu Island, near Saginaw Bay	750	370	3,600	180
Granite Lakes	Near Behm Canal, Mainland	12,700	6,350	62,700	--	Andean Lake	Pacific Ocean; Baranof Island, near Little Branch Bay	3,600	1,800	15,700	1,100
Short Creek	Behm Canal, at Short Bay, Mainland	8,000	3,960	48,400	890	Baturin Lake	Pacific Ocean; Baranof Island, near Big Branch Bay	4,500	2,250	19,600	1,100
Shelokum Lake	Behm Canal, at Bailey Bay, Mainland	7,200	3,600	45,700	350	Tumakof Lake	Pacific Ocean; Baranof Island, near Redfish Bay	800	410	3,600	135
Tyee Lake	Near Bradfield Canal, Mainland	33,500	16,800	147,000	--	Snipe Lake	Pacific Ocean; Baranof Island, near Snipe Bay	800	410	4,600	345
White River	Near Bradfield Canal, Mainland	4,000	1,940	104,600*	330	Kekur Lake	Pacific Ocean; Baranof Island, near Sandy Bay	1,100	560	4,900	340
Harding River	Near Bradfield Canal, Mainland	29,000	14,500	154,000	235	Makoutof River	Pacific Ocean; Baranof Island, near Sandy Bay	34,000	17,000	150,000	630
Tom Creek	Near Bradfield Canal, Mainland	4,800	2,400	45,700*	380	Banks Lakes	Pacific Ocean; Baranof Island, near Port Banks	500	260	3,300	110
Martin Creek	Near Bradfield Canal, Mainland	4,600	2,300	26,800	925	Lake Plotnikof	Pacific Ocean; Baranof Island, near Port Banks	7,400	3,700	39,000	275
Aaron Creek	Near Blake Channel, Mainland	1,800	900	49,000*	--	Lake Avoss	Pacific Ocean; Baranof Island, near Great Arm	4,500	2,250	19,600	700
Mill Creek (PFC Prelim. Permit No. 2201)	Blake Channel, near Wrangell, Mainland	4,000	2,000	30,100	115	Benzeman Lake	Pacific Ocean; Baranof Island, at Necker Bay	4,500	2,250	19,600	105
Delta Creek	Frederick Sound, near Thomas Bay, Mainland	5,200	2,600	59,000*	1,260	Green Lake 3/	Sitka Bay; Baranof Island, near Silver Bay	9,000	4,500	52,300	320
Cascade Creek 3/	Frederick Sound, near Thomas Bay, Mainland	34,000	16,900	186,000	1,487	Medveja Lake	Sitka Bay; Baranof Island, near Silver Bay	1,400	710	7,200	210
Scenery Creek 3/	Frederick Sound, near Thomas Bay, Mainland	18,000	18,300	160,000	970	Kaspyk Lake	Chatham Strait; Baranof Island, near Water Fall Cove	4,500	2,250	19,600	510
Glory Creek	Frederick Sound, near Farragut Bay, Mainland	500	260	7,200*	800	Takatz Lake 3/	Chatham Strait; Baranof Island, near Takatz	15,000	7,600	98,000	917
Spruce Creek	Stephens Passage, near Windham Mainland	200	105	11,800*	790	Waxman Lakes	Chatham Strait; Baranof Island, near Baranof	1,200	600	7,800	430
Anner Cascade	Near Stephens Passage, Mainland	900	450	13,100*	680	Carbon Lake	Chatham Strait; Baranof Island, near Cascade Bay	5,600	4,200	58,900	--
Sweetheart Falls Creek	Stephens Passage, near Port Snettisham, Mainland	32,000	16,100	141,000	1,655	Four Falls Lake	Chatham Strait; Baranof Island, near Cascade Bay	3,700	1,850	16,300	1,200
Tease Lake	Stephens Passage, near Port Snettisham, Mainland	13,700	6,850	90,200	--	Milk Lake	Chatham Strait; Baranof Island, near Nelson Bay	4,900	2,450	32,700	430
Speel River 3/	Stephens Passage, near Port Snettisham, Mainland	72,000	36,000	333,000	378	Nelson Lakes	Chatham Strait; Baranof Island, at Nelson Bay	4,000	2,000	19,600	395
Long Lake 3/	Stephens Passage, near Port Snettisham, Mainland	42,000	21,000	206,000	820	Deep Lake	Chatham Strait; Baranof Island, at Red Bluff Bay	1,050	520	7,200	265
Crater Lake 3/	Stephens Passage, near Port Snettisham, Mainland	22,000	11,000	112,300	1,040	Waterfall Lake	Chatham Strait; Baranof Island, at Red Bluff Bay	2,100	1,050	11,800	580
Dorothy Lake 3/	Stephens Passage, near Taku Inlet, Mainland	28,000	15,000	167,400	2,418	Perry Lake	Chatham Strait; Baranof Island, near Patterson Bay	3,200	1,620	26,200	375
Turner Lake	Stephens Passage, near Taku Inlet, Mainland	8,000	3,950	34,600	120	Brentwood Lakes	Chatham Strait; Baranof Island, near Patterson Bay	10,500	5,200	47,700	600
Davidson Creek	Stephens Passage, near Taku Inlet, Mainland	250	130	15,700*	90	Blanchard Lake	Chatham Strait; Baranof Island, near Patterson Bay	1,800	900	13,700	390
Yehring Lake	Stephens Passage, near Taku Inlet, Mainland	9,000	4,500	94,800*	1,020	Finger Lake	Chatham Strait; Baranof Island, near Patterson Bay	2,800	1,400	13,100	740
Boundary Creek	Stephens Passage, near Taku River, Mainland	3,000	1,500	58,800*	440	Fiddle Lake	Chatham Strait; Baranof Island, near Patterson Bay	750	370	5,900	455
Carlson Creek	Stephens Passage, near Taku Inlet, Mainland	12,800	6,400	81,600	430	Banner Lakes	Chatham Strait; Baranof Island, near Patterson Bay	1,350	670	7,800	200
Rhine Creek	Stephens Passage, near Juneau, Mainland	500	240	10,500*	390	Cliff Lake	Chatham Strait; Baranof Island, near Deep Cove	1,100	560	7,800	130
Grindstone Creek	Stephens Passage, near Juneau, Mainland	300	150	6,500*	355	Deer Lake	Chatham Strait; Baranof Island, near Mist Cove	7,600	3,800	33,400	380
Lemon Creek (PFC Prelim. Permit No. 2184)	Stephens Passage, near Juneau, Mainland	5,000	2,600	81,600*	590	Maga Lake	Chatham Strait; Baranof Island, near Mist Cove	300	160	3,100*	150
Peterson Lake	Stephens Passage, near Juneau, Mainland	3,600	1,800	24,800	670	Rostialaf Lakes	Near Chatham Strait; Baranof Island	6,000	3,000	26,200	550
Cowee Creek	Lynn Canal, near Berners Bay, Mainland	450	225	19,600*	480	Nakvassin Lakes	Chatham Strait; Baranof Island, near Port Herbert	1,600	790	7,200	175
Davies Creek	Lynn Canal, near Berners Bay, Mainland	5,000	2,500	29,400	305	Lake Oesper	Chatham Strait; Baranof Island, near Port Walter	1,600	800	7,800	250
Sawmill Creek	Lynn Canal, near Berners Bay, Mainland	1,500	750	12,400	340	Sashin Lake	Chatham Strait; Baranof Island, near Little Port Walter	1,350	670	14,400*	440
Antler Lake	Lynn Canal, near Berners Bay, Mainland	12,500	6,200	54,200	1,980	Lucy Lake	Chatham Strait; Baranof Island, near Port Lucy	1,800	900	9,800	450
Sherman Creek	Lynn Canal, near Comet, Mainland	300	150	7,200*	390	Lake Surprise	Salisbury Sound; Krusof Island, near Kalinin Bay	750	370	3,900	390
Skagway River	Jaiya Inlet, near Skagway, Mainland	2,100	1,050	15,000	445	Didrickson Lakes	Pacific Ocean; Chichagof Island, near Didrickson Bay	1,950	970	11,800	120
Endicott River	Near Lynn Canal, Mainland	19,500	9,700	150,000	590	Goulding Lakes	Pacific Ocean; Chichagof Island, near Goulding Harbor	7,600	3,800	36,600	195
Beardslee Creek	Near Lynn Canal, Mainland	1,800	930	11,100	530	Falls Creek	Pacific Ocean; Chichagof Island, near Davison Bay	1,200	600	5,500	--
Waterfall Lake	Pacific Ocean; Dall Island, near Waterfall Bay	2,700	1,350	11,800	500	Porcupine Creek	Pacific Ocean; Chichagof Island, near Porcupine Harbor	7,800	3,900	34,000	705
Sukkwai Lake	Tleavak Strait; Sukkwai Island, near Kasook Inlet	2,400	1,200	17,600	410	Kook Lake	Chatham Strait; Chichagof Island, near Basket Bay	1,050	520	6,500	60
Shipley Lake	Summer Strait; Kosciusko Island, near Shipley Bay	2,100	1,050	9,200	225	Sitkoh Lake	Near Chatham Strait; Chichagof Island	1,950	970	9,100	185
Klakas Lake	Cordova Bay; Prince of Wales Island, near Klakas Inlet	7,200	3,600	31,400	410	Suloia Lake	Peril Strait; Chichagof Island, near Suloia Bay	2,700	1,350	12,400	205
Hetta Lake	Cordova Bay; Prince of Wales Island, near Hetta Inlet	900	450	4,600	90	Hasselborg River	Chatham Strait; Admiralty Island, near Mitchell Bay	24,000	12,000	110,000	265
Reynolds Creek	Cordova Bay; Prince of Wales Island, at Copper Harbor	12,500	6,200	54,200	--	Crescent Lake	Chatham Strait; Admiralty Island, near Mitchell Bay	3,700	1,850	21,600	225
Beaver Creek	Cordova Bay; Prince of Wales Island, at Sulzer Passage	300	150	10,500*	--	Thayer Lake	Near Chatham Strait; Admiralty Island	17,000	8,500	78,500	315
Klawak Lake	San Alberto Bay; Prince of Wales Island, at Klawak	440	220	2,300	--	Lake Florence	Near Chatham Strait; Admiralty Island	3,350	1,675	19,600	110
Neck Island Lake	Kashevarof Passage; Prince of Wales Island, near Whale Passage	4,000	2,000	17,700	180	Lake Kathleen	Near Chatham Strait; Admiralty Island	12,000	6,000	57,000	445
Karta River	Near Kasaan Bay; Prince of Wales Island	2,400	1,200	18,300	--	Elisa Lake	Frederick Sound; Admiralty Island, near Elisa Harbor	1,650	820	9,100	300
Marys Lake	Kasaan Bay; Prince of Wales Island, near Polk Inlet	2,700	1,350	16,300	120						
Clover Creek	Clarence Strait; Prince of Wales Island, at Clover Bay	8,000	3,900	52,300	820						
Aiken Lake	Clarence Strait; Prince of Wales Island, near Moira Sound	1,200	600	5,200	1,000						
Kegan Creek	Clarence Strait; Prince of Wales Island, at Moira Sound	4,500	2,240	26,200	110						
Kugel Lake	Clarence Strait; Prince of Wales Island, near Dickman Bay	5,700	2,840	30,000	560						
Melanson Lake	Nichols Passage; Annette Island, near Metlakatla	600	300	2,600	240						
Trout Lake	Nichols Passage; Annette Island, near Metlakatla	750	370	4,200	75						
Nadsaheen Lake	Near Revillagigedo Channel; Annetø Island	1,250	630	6,500	190						
Hassler Lake	Near Revillagigedo Channel; Annette Island	3,000	1,500	13,000	440						
Purple Lake	Felice Strait; Annette Island, Near Tangas Harbor	3,000	1,500	13,100	320						
Tangas Lake	Near Felice Strait, Annette Island	600	300	3,300	80						
Mahoney Creek	Revillagigedo Channel; Revillagigedo Island, near George Inlet	9,700	4,850	47,700	--						
Beaver Falls Creek	Revillagigedo Channel; Revillagigedo Island, near George Inlet	11,000	5,500	49,600	1,055						
Lake Perseverance	Revillagigedo Channel; Revillagigedo Island, near Wacker	2,700	1,340	11,800	--						
Naha River	Behm Canal; Revillagigedo Island, near Naha Bay	6,000	3,000	30,700	205						
Orchard Lake	Behm Canal; Revillagigedo Island, near Shrimp Bay	12,000	6,000	58,900	175						
Claude Lake	Near Behm Canal, Revillagigedo Island	5,000	2,400	22,200	535						
Southeastern Alaska Total								1,030,090			

TABLE S-2

UNDEVELOPED HYDROELECTRIC POWER SITES

IN ALASKA

October 22, 1959

Taken from Table 2, Alaska Power Market
Survey, May 1960, Federal Power Commission

Name of Project or Site	Location	Estimated Potential				Name of Project or Site	Location	Estimated Potential			
		Installed Capacity : kw	Prime Power : kw	Average Annual Energy : 1000 kwh	Estimated Head : Ft.			Installed Capacity : kw	Prime Power : kw	Average Annual Energy : 1000 kwh	Estimated Head : Ft.
Valley-Karuk - Frazier Lakes	Kodiak Island	34,000	17,200	--	--						
Grescian River- Crescent Lake	Grescian River, Alaska Peninsula	40,000	30,000	--	--						
Lachbuna Lake (was Ingersol Lake)	Lachbuna Lake (was Alaska Peninsula)	47,800	35,800	--	--						

TABLE S-2

UNDEVELOPED HYDROELECTRIC POWER SITES

IN ALASKA

October 22, 1959

Taken from Table 2, Alaska Power Market
Survey, May 1960, Federal Power Commission

Cook Inlet and Tributaries 3/						Northwestern Alaska 3/					
Name of Project or Site	Location	Installed Capacity : kw 1/	Prime Power : kw	Average Annual Energy : 1000 kwh	Estimated Head : Ft.	Name of Project or Site	Location	Installed Capacity : kw 1/	Prime Power : kw	Average Annual Energy : 1000 kwh	Estimated Head : Ft.
Grant Lake	Grant Creek	5,900	2,950	--	250	Lake Kontrashibuna	Tanalian River, Alaska Peninsula	13,900	10,400	--	--
Ptarmigan Lake	Ptarmigan Creek	4,700	2,350	--	368	Tasimina Lakes	Tasimina River, Alaska Peninsula	50,500	37,900	--	--
Juneau Lake	Juneau Creek	8,000	4,000	--	600	Kukaklek Lake	Alagnak River, Alaska Peninsula	85,700	64,300	--	--
Stelter	Kenai River	66,000	33,000	--	--	Kulik Lake-Nonvianuk Lake	Nonvianuk River, Alaska Peninsula	10,800	5,400	--	--
Kasilof	Kasilof River	24,000	12,000	--	93	Nishlik Lake	Nuyakuk and Wood River Systems	3,900	2,900	--	--
Bradley Lake	Kachenak Bay	46,000	23,000	--	1,120	Upuk Lake	Nuyakuk and Wood River Systems	10,300	7,700	--	--
Hallibut	Hallibut Creek	9,000	4,500	--	585	Chikunluk Lake	Nuyakuk and Wood River Systems	51,700	38,800	--	--
Knik Glacier -- Lake George	Knik River	200,000	120,000	--	320	Nuyakuk - Tikchik Lakes	Nuyakuk and Wood River Systems	93,600	70,200	--	--
Caribou	Caribou Creek	48,000	24,000	--	350	Aguluwak River - Lake Aleknagik	Aguluwak River	42,300	31,700	--	--
Portage (Devil Canyon)	Susitna River	480,000	240,000	--	400	Grant Lake	Grant Creek	11,400	700	--	--
Watana	Susitna River	370,000	185,000	--	340	Southwestern Alaska Total					
Denali (Vee)	Susitna River	460,000	230,000	--	530	542,900					
Catche	Talkeetna River	42,000	21,000	--	300						
Talkeetna	Talkeetna River	90,000	45,000	--	350						
Shell	Skwentna River	30,000	15,000	--	100						
Happy	Happy River	7,000	3,500	--	230						
Hayes	Skwentna River	30,000	15,000	--	270						
Beluga	Beluga River	26,000	13,000	--	88						
Crescent (City of Seward FPC License No. 2171)	Crescent and Carter Lakes	10,500	9,500	--	--						
Cook Inlet and Tributaries Total		1,957,100				Northwestern Alaska Total		515,650			

Copper River and Gulf Coast 3/						Yukon and Kuskokwim River Basins (Exclusive of Tanana River Basin) 3/					
Name of Project or Site	Location	Installed Capacity : kw 1/	Prime Power : kw	Average Annual Energy : 1000 kwh	Estimated Head : Ft.	Name of Project or Site	Location	Installed Capacity : kw 1/	Prime Power : kw	Average Annual Energy : 1000 kwh	Estimated Head : Ft.
Wood Canyon (FPC Prelim. Permit No. 2215 "Copper River")	Copper River	1,710,000	1,280,000	--	495	Kaltag	Yukon River	2,360,000	1,770,000	--	140
Peninsula	Copper River	650,000	490,000	--	165	Rampart Canyon	" "	4,690,000	3,520,000	--	438
Nizena	Nizena River	78,400	58,800	--	330	Woodchopper Creek	" "	2,710,000	2,030,000	--	378
Kennicott	Nizena River	17,200	12,900	--	70	Porcupine River near Campbell River	" " Basin	185,000	140,000	--	196
Tebay Lakes	Tebay River	61,400	30,700	--	1,430	Nowitna Site	Nowitna River, Yukon River Basin	33,000	24,800	--	112
Bremner	Bremner River	61,300	46,000	--	260	Melositna River	Yukon River Basin	50,000	37,000	--	273
Tielkal	Tielkal River	26,700	20,000	--	700	Kamuti Site	Koyukuk River, Yukon River Basin	515,000	385,000	--	245
Tonsina Lake	Tonsina River	20,000	10,000	--	710	Hughes	Koyukuk River, " "	175,000	130,000	--	78
Klutina Lake	Klutina River	54,000	40,500	--	465	Crooked Creek	Kuskokwim River	576,000	430,000	--	150
Taslina Lake	Taslina River	74,700	56,000	--	605	Yukon and Kuskokwim River Basins Total (Exclusive of Tanana River Basin)					
Power	Power Creek	14,500	7,250	--	570	11,294,000					
Keystone Canyon	Lowe River	31,000	15,500	--	460						
Solomon	Solomon Gulch	4,920	2,460	--	620						
Allison	Allison Creek	4,680	2,340	--	1,370						
Bear Lake	Bear Creek	40,000	20,000	--	900						
Lost Lake	Lost Creek	3,400	1,700	--	1,390						
Resurrection	Resurrection River	11,520	5,760	--	135						
Copper River and Gulf Coast Total		2,863,720				Summary		No. of Sites 1/	Installed Capacity kw 1/		
						Southeastern Alaska		14	1,030,090		
						Cook Inlet and Tributaries		19	1,957,100		
						Copper River and Gulf Coast		17	2,863,720		
						Tanana River Basin		15	502,500		
						Southwestern Alaska		16	542,900		
						Northwestern Alaska		8	515,650		
						Yukon and Kuskokwim River Basins (Exclusive of Tanana River Basin)		9	11,294,000		
						Alaska Total		225	18,705,960		
						Footnotes					
						1/ See text, under "Water Power," Part 1.					
						2/ Unless noted, all projects or sites listed hereunder are from report "Water Powers - Southeast Alaska, 1947," by FPC and USFS.					
						3/ All projects or sites listed hereunder are from information furnished by U. S. Army District Engineer, Alaska; Anchorage, Alaska.					
						* The potential energy given for this plant is in excess of possible generation by the plant with the indicated name-plate rating. Because of lack of information, no attempt was made to reconcile the installed capacity with the average annual energy, or vice versa.					

Tanana River Basin 3/					
Name of Project or Site	Location	Installed Capacity : kw 1/	Prime Power : kw	Average Annual Energy : 1000 kwh	Estimated Head : Ft.
Nenana	Nenana River	24,000	16,000	--	--
Jack	Jack River	13,000	9,000	--	--
Carlo	Nenana River	25,000	25,000	--	--
Yanert	Nenana River	62,000	35,000	--	--
McKinley	Nenana River	63,000	33,000	--	--
Moody	Nenana River	20,000	13,000	--	--
Slagle (FPC Prel. Permit No. 2227)	Nenana River (Sec. 32, T. 12S, R. 7W)	30,000	19,000	--	----
Kantishna	Kantishna River	38,000	19,000	--	--
Teklanika	Teklanika River	40,600	20,300	--	--
(3 plants)					
Totatlanika	Totatlanika River	15,800	7,900	--	700
Chena	Chena River	10,200	5,100	--	154
Salcha	No. Fk. Salcha River	21,400	10,700	--	203
Goodpaster	Goodpaster River	8,500	4,250	--	200
Cathedral Bluffs	Tanana River	108,000	65,000	--	132
Chisana	Chisana River	23,000	11,500	--	220
Tanana River Basin Total		502,500			

Southwestern Alaska 3/					
Name of Project or Site	Location	Installed Capacity : kw 1/	Prime Power : kw	Average Annual Energy : 1000 kwh	Estimated Head : Ft.
Terror Lake	Terror River, Kodiak Island	18,800	9,400	--	--
Spiridon Lake	Spiridon River, Kodiak Island	5,200	2,600	--	--
Spiridon	Spiridon River, Kodiak Island	23,000	11,500	--	--
O'Malley-Karluk	Kodiak Island	34,000	17,000	--	--
- Frasier Lakes					
Orecian River-	Orecian River, Alaska Peninsula	40,000	30,000	--	--
Crescent Lake					
Lachbuna Lake (was Ingersoll Lake)		47,800	35,800	--	--

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AKSALA M

TABLE S-3
HYDROELECTRIC POWER RESOURCES - DEVELOPED AND UNDEVELOPED
IN HAWAII
JANUARY 1, 1960

Owner- ship class	Island	Owner	Name of plant	River	Installed capacity Kw	Avg. annual generation 1000 Kwh	Gross head Ft
DEVELOPED 1/							
	Hawaii						
P		Hilo Elec. Lt. Co., Ltd.	Puueo	Wailuku	2,250	19,000	400
P		Hilo Elec. Lt. Co., Ltd.	Waiau	Wailuka	1,150	9,250	322
I		Onomea Sugar Co., Ltd.	Onomea	-	125	-	207
I		Hakalau Sugar Co.	Hakalau	-	150	-	277
I		Paauhau Sugar Co.	Paauhau	Lower Hamakua Ditch	150	-	473
I		Honokaa Sugar Co.	Honokaa	Lower Hamakua Ditch	800	-	415
I		Kohala Sugar Co.	Union	-	500	-	-
I		Kohala Sugar Co.	Hawi	Kehala Ditch	350	4,800	-
		Hawaii Island total			5,475	-	
	Maui						
I		Pioneer Mill Co., Ltd.	Kauaula	Kauaula	450	2,000	533
P		Hawaiian Commercial and Sugar Co., Ltd.	Paia	Wailoa Ditch	800	-	280
P		Hawaiian Commercial and Sugar Co., Ltd.	Keheka	Wailoa Ditch	4,000	25,000	616
		Maui total			5,250	-	
	Kauai						
I		McBryde Sugar Co., Ltd.	Wainiha	Wainiha	3,600	24,000	560
I		Kekaha Sugar Co., Ltd.	Waiawa	Waimea	500	1,800	-
I		Kekaha Sugar Co., Ltd.	Waimea	Waimea	1,000	3,600	-
I		Olokele Sugar Co., Ltd.	Nonppahu	Makaweli	500	3,000	-
I		McBryde Sugar Co., Ltd.	Kalaheo	Alexander Res.	1,000	2,100	700
I		Grove Farm Co., Ltd.	Grove Farm	Waihahanu Str.	246	-	-
I		Lihue Plantation Co., Ltd.	Lihue	S. Fk. Wailua R. and Waihai Str.	1,300	8,000	560
I		Lihue Plantation Co., Ltd.	Kealia	Mimine Str.	240	-	-
		Kauai total			8,386	-	
		Total developed			19,111	-	
UNDEVELOPED							
	Kauai		Kauai	Wainiha	25,000	-	3,400
	All islands		Other 2/	-	255,889	-	
		Total undeveloped			280,889	-	

1/ Data from power system statements submitted to FPC and letters from companies

2/ Based on estimate of 400,000 Hp. total potential, USGS Circular 367, December 1954

Ownership class

F - Federally owned plant
P - Privately owned plant

I - Industrial plant
M - Non-federal publically owned plant
(Municipal, utility district, or state,
including cooperative)

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DEVELOPED BY
DRAINAGES AND BASINS

To use the index on the left
bend the book over and locate
the desired section by fol-
lowing the black markers.

DEVELOPED BY
DIVISIONS AND STATES

UTILITIES AND
INDUSTRIALS

AUXILIARY
CAPACITY

UNDEVELOPED BY
DRAINAGES AND BASINS

UNDEVELOPED BY
DIVISIONS AND STATES

PERCENT
DEVELOPMENT

FPC LICENSED
PLANTS

FEDERAL
PLANTS

LARGE PLANTS

